2A
WATER VOLATILE SURROGATE RECOVERY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

	EPA SAMPLE NO.	S1 (TOL)#	S2 (BEN)#	S3 (DCE)#	OTHER	TOT OUT
01	93ZE33D39D	99	100	94		0
02	93ZE33D39DR	98	102	94		0
03	93ZE33S38	113	103	89		0
04	93ZE33S38MSR	101	103	94		0
05	93ZE33S39D	136 *	114 *	89		2
06	93ZE33S39D1	89	95	99		0
07	93ZE33S39D2	82	94	100		0
08	93ZE33S39DR	97	102	100		0
09	93ZE33S39MSD	98	100	102		0
10	93ZE33S39MSR	99	102	101		0
11	93ZE33S38MS	102	105	95		0
12	93ZE33S38MSR	101	103	94		0
13	93ZE33S39MSD	98	100	102		0
14	93ZE33S39MSR	99	102	101		0

	QC LIMITS
S1 (TOL) = Toluene-d8	(78-134)
S2 (BEN) = Benzene-d6	(88-112)
S3 (DCE) = 1,2-Dichloroethane-d4	(75-111)

Column to be used to flag recovery values

* Values outside of contract required QC limits

D Surrogates diluted out

For information only

FORM II VOA-1 1/87 Rev.

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix Spike - EPA Sample No.: 93ZE33S38

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	10.0	0	9.33	93	61-145
Trichloroethene	10.0	0	8.20	82	71-120
Benzene	10.0	0	9.46	95	76-127
Toluene	10.0	0	9.17	92	76-125
Chlorobenzene	10.0	0	9.16	92	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	10.0	6.76	68	31 *	14	61-145
Trichloroethene	10.0	5.81	58 *	34 *	14	71-120
Benzene	10.0	6.95	70 *	30 *	11	76-127
Toluene	10.0	6.69	67 *	31 *	13	76-125
Chlorobenzene	10.0	6.52	65 *	34 *	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 5 out of 5 outside limits
Spike Recovery: 4 out of 10 outside limits

COMMENTS: CLP,1187,,93ZE33S38,L,W,,V,EPA
45' (3 MIN) TO 220' @ 8'/MIN

3A

WATER VOLATILE MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix Spike - EPA Sample No.: 93ZE33S39D

COMPOUND	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC #	QC LIMITS REC.
1,1-Dichloroethene	500	0	447	89	61-145
Trichloroethene	500	0	408	82	71-120
Benzene	500	0	471	94	76-127
Toluene	500	1150	1180	6 *	76-125
Chlorobenzene	500	0	437	87	75-130

COMPOUND	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,1-Dichloroethene	500	464	93	-4	14	61-145
Trichloroethene	500	431	86	-5	14	71-120
Benzene	500	493	99	-5	11	76-127
Toluene	500	1220	14 *	-80 *	13	76-125
Chlorobenzene	500	463	93	-7	13	75-130

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 1 out of 5 outside limits
Spike Recovery: 2 out of 10 outside limits

COMMENTS: CLP,1187,,93ZE33S39D,L,W,,V,EPA 1:50
45' (3 MIN) TO 220' @ 8'/MIN

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Lab File ID: 0525BLK1 Lab Sample ID: 0525BLK1

Date Analyzed: 05/25/93 Time Analyzed: 1843

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: INCOS1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93ZE33S39D1	93ZE33S39D1	93ZE33S39D1	2244
02	93ZE33S39D2	93ZE33S39D2	93ZE33S39D2	2332

COMMENTS: CLP,1187,,0525BLK1,L,W,,V,BLANK
45' (3 MIN) TO 220' @ 8'/MIN

4A
VOLATILE METHOD BLANK SUMMARY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Lab File ID: 0526BLK2 Lab Sample ID: 0526BLK2

Date Analyzed: 05/26/93 Time Analyzed: 1413

Matrix: (soil/water) WATER Level:(low/med) LOW

Instrument ID: INCOS1

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	TIME ANALYZED
01	93ZE33D39D	93ZE33S39D	93ZE33D39D	1946
02	93ZE33D39DR	93ZE33D39DR	93ZE33D39DR	2346
03	93ZE33S38	93ZE33S38	93ZE33S38	1501
04	93ZE33S38MSR	93ZE33S38MSR	3ZE33S38MSR	1811
05	93ZE33S39D	93ZE33S39D	93ZE33S39D	1859
06	93ZE33S39DR	93ZE33S39DR	93ZE33S39DR	2258
07	93ZE33S39MSD	93ZE33S39MSD	3ZE33S39MSD	2122
08	93ZE33S39MSR	93ZE33S39MSR	3ZE33S39MSR	2210
09	93ZE33S38MS	93ZE33S38MS	93ZE33S38MS	1636
10	93ZE33S38MSR	93ZE33S38MSR	3ZE33S38MSR	1811
11	93ZE33S39MSD	93ZE33S39MSD	3ZE33S39MSD	2122
12	93ZE33S39MSR	93ZE33S39MSR	3ZE33S39MSR	2210

COMMENTS: CLP,1187,,0526BLK2,L,W,,V,BLANK
45' (3 MIN) TO 220' @ 8'/MIN

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Lab File ID: 0525BFB1 BFB Injection Date: 05/25/93

Instrument ID: INCOS V1 BFB Injection Time: 1031

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.5
75	30.0 - 60.0% of mass 95	35.3
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.2 (0.2)1
174	Greater than 50.0% of mass 95	83.5
175	5.0 - 9.0% of mass 174	7.4 (8.9)1
176	Greater than 95.0%, but less than 101.0% of mass 174	83.7 (100.2)1
177	5.0 - 9.0% of mass 176	5.4 (6.4)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC0525		CC0525	05/25/93	1049
02	IC050525		IC050525	05/25/93	1254
03	IC200525		IC200525	05/25/93	1429
04	IC250525		IC250525B	05/25/93	1706
05	IC050525		IC0525AVE	05/25/93	1754
06	IC100525		IC100525B	05/25/93	1754
07	0525BLK1	0525BLK1	0525BLK1	05/25/93	1843
08	93ZE33S39D1	93ZE33S39D1	93ZE33S39D1	05/25/93	2244
09	93ZE33S39D2	93ZE33S39D2	93ZE33S39D2	05/25/93	2332

5A
VOLATILE ORGANIC GC/MS TUNING AND MASS
CALIBRATION - BROMOFLUOROBENZENE (BFB)

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Lab File ID: 0526BFB1 BFB Injection Date: 05/26/93

Instrument ID: INCOS V1 BFB Injection Time: 1127

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.0
75	30.0 - 60.0% of mass 95	39.9
95	Base peak, 100% relative abundance	100.0
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	0.0 (0.0)1
174	Greater than 50.0% of mass 95	85.4
175	5.0 - 9.0% of mass 174	5.8 (6.8)1
176	Greater than 95.0%, but less than 101.0% of mass 174	82.2 (96.2)1
177	5.0 - 9.0% of mass 176	5.9 (7.2)2

1-Value is % mass 174 2-Value is % mass 176

THIS TUNE APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	CC0526B		CC0526B	05/26/93	1238
02	0526BLK2	0526BLK2	0526BLK2	05/26/93	1413
03	93ZE33S38	93ZE33S38	93ZE33S38	05/26/93	1501
04	93ZE33S38MS	93ZE33S38MS	93ZE33S38MS	05/26/93	1636
05	93ZE33S38MSR	93ZE33S38MSR	3ZE33S38MSR	05/26/93	1811
06	93ZE33S38MSR	93ZE33S38MSR	3ZE33S38MSR	05/26/93	1811
07	93ZE33S39D	93ZE33S39D	93ZE33S39D	05/26/93	1859
08	93ZE33D39D	93ZE33S39D	93ZE33D39D	05/26/93	1946
09	93ZE33S39MSD	93ZE33S39MSD	3ZE33S39MSD	05/26/93	2122
10	93ZE33S39MSD	93ZE33S39MSD	3ZE33S39MSD	05/26/93	2122
11	93ZE33S39MSR	93ZE33S39MSR	3ZE33S39MSR	05/26/93	2210
12	93ZE33S39MSR	93ZE33S39MSR	3ZE33S39MSR	05/26/93	2210
13	93ZE33S39DR	93ZE33S39DR	93ZE33S39DR	05/26/93	2258
14	93ZE33D39DR	93ZE33D39DR	93ZE33D39DR	05/26/93	2346

6A
VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Instrument ID: INCOS1 Calibration Date(s): 05/25/93 05/25/93

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min $\overline{RRF}$ for SPCC(#) = 0.300 (0.250 for Bromoform) Max %RSD for CCC(*) = 35.0%

LAB FILE ID: RRF05 = IC050525 RRF10 = IC100525B
RRF15 = CC0525 RRF20 = IC200525 RRF25 = IC250525B

COMPOUND	RRF05	RRF10	RRF15	RRF20	RRF25	$\overline{RRF}$	% RSD
Chloromethane #	0.729	0.856	1.009	0.603	0.653	0.770	21.3#
Bromomethane	0.372	0.499	0.651	0.378	0.439	0.468	24.5
Vinyl Chloride *	0.933	1.028	1.008	0.742	0.822	0.907	13.5*
Chloroethane	0.499	0.490	0.802	0.364	0.403	0.512	33.6
Methylene Chloride	1.166	0.857	1.364	1.021	0.933	1.068	18.9
Acetone	0.105	0.086	0.084	0.090	0.090	0.091	9.1
Acrolein	0.003	0.003	0.004	0.002	0.002	0.003	27.9
Carbon Disulfide	3.401	2.578	4.683	3.156	3.005	3.365	23.6
Acrylonitrile	0.071	0.067	0.065	0.076	0.067	0.069	6.4
1,1-Dichloroethene *	1.546	1.370	2.042	1.596	1.556	1.622	15.4*
1,1-Dichloroethane #	2.979	2.743	3.885	3.217	3.136	3.192	13.4#
1,2-Dichloroethene (total)	1.611	1.429	2.143	1.736	1.677	1.719	15.3
Chloroform *	3.073	2.917	3.840	3.337	3.244	3.282	10.7*
1,2-Dichloroethane	1.291	1.324	1.389	1.441	1.480	1.385	5.7
2-Butanone	0.014	0.014	0.014	0.015	0.014	0.014	3.2
1,1,1-Trichloroethane	0.933	0.818	1.138	0.949	0.883	0.944	12.7
Carbon Tetrachloride	0.140	0.118	0.174	0.148	0.131	0.142	14.8
Vinyl acetate	0.076	0.055	0.064	0.057	0.062	0.063	13.1
Bromodichloromethane	0.779	0.738	0.873	0.860	0.828	0.816	6.9
1,2-Dichloropropane *	0.626	0.556	0.742	0.671	0.591	0.637	11.4*
cis-1,3-Dichloropropene	0.493	0.460	0.541	0.554	0.502	0.510	7.4
Trichloroethene	0.958	0.824	1.127	1.019	0.878	0.961	12.4
Dibromochloromethane	0.618	0.624	0.619	0.727	0.696	0.657	7.8
1,1,2-Trichloroethane	0.354	0.346	0.369	0.403	0.365	0.367	6.0
Benzene	1.612	1.434	2.011	1.741	1.547	1.669	13.3
Trans-1,3-Dichloropropene	1.208	1.219	1.311	1.441	1.343	1.304	7.4
2-Chloroethylvinylether	0.023	0.012	0.008	0.006	0.004	0.011	68.5
Bromoform #	0.418	0.433	0.383	0.519	0.481	0.447	12.0#
4-Methyl-2-Pentanone	0.401	0.358	0.420	0.422	0.398	0.400	6.4
2-Hexanone	0.233	0.219	0.266	0.257	0.245	0.244	7.7
Tetrachloroethene	1.596	1.292	2.095	1.684	1.434	1.620	18.8
1,1,2,2-Tetrachloroethane #	0.485	0.461	0.573	0.550	0.527	0.519	8.9#
Toluene *	1.860	1.587	2.619	2.023	1.777	1.973	20.0*
Chlorobenzene #	2.554	2.154	3.400	2.769	2.478	2.671	17.4#
Ethylbenzene *	1.231	1.101	1.799	1.365	1.249	1.349	19.9*
Styrene	1.897	1.693	2.642	2.197	2.053	2.096	17.1
M-Xylene	1.348	1.171	1.931	1.459	1.415	1.465	19.3
O-&/or P-Xylene	1.248	1.066	1.804	1.363	1.335	1.363	20.0
Toluene-d8	2.164	2.023	2.711	2.141	2.054	2.219	12.7
Benzene-d6	1.287	1.254	1.467	1.284	1.235	1.305	7.1
1,2-Dichloroethane-d4	1.079	1.259	1.107	1.189	1.357	1.198	9.5

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Instrument ID: INCOS1 Calibration date: 05/26/93 Time: 1238

Lab File ID: CC0526B Init. Calib. Date(s): 05/25/93 05/25/93

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF15 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 35.0%

COMPOUND		$\overline{RRF}$	RRF15	%D	
Chloromethane	#	0.770	0.552	28.3	#
Bromomethane		0.468	0.379	19.0	
Vinyl Chloride	*	0.907	0.766	15.6	*
Chloroethane		0.512	0.385	24.8	
Methylene Chloride		1.068	1.056	1.1	
Acetone		0.091	0.104	-14.3	
Acrolein		0.003	0.002	33.3	
Carbon Disulfide		3.365	3.360	0.1	
Acrylonitrile		0.069	0.082	-18.8	
1,1-Dichloroethene	*	1.622	1.586	2.2	*
1,1-Dichloroethane	#	3.192	3.107	2.7	#
1,2-Dichloroethene (total)		1.719	1.722	-0.2	
Chloroform	*	3.282	3.279	0.1	*
1,2-Dichloroethane		1.385	1.415	-2.2	
2-Butanone		0.014	0.017	-21.4	
1,1,1-Trichloroethane		0.944	0.965	-2.2	
Carbon Tetrachloride		0.142	0.150	-5.6	
Vinyl acetate		0.063	0.080	-27.0	
Bromodichloromethane		0.816	0.934	-14.5	
1,2-Dichloropropane	*	0.637	0.688	-8.0	*
cis-1,3-Dichloropropene		0.510	0.561	-10.0	
Trichloroethene		0.961	1.012	-5.3	
Dibromochloromethane		0.657	0.792	-20.6	
1,1,2-Trichloroethane		0.367	0.439	-19.6	
Benzene		1.669	1.701	-1.9	
Trans-1,3-Dichloropropene		1.304	1.461	-12.0	
2-Chloroethylvinylether		0.011	0.008	27.3	
Bromoform	#	0.447	0.576	-28.9	#
4-Methyl-2-Pentanone		0.400	0.444	-11.0	
2-Hexanone		0.244	0.296	-21.3	
Tetrachloroethene		1.620	1.625	-0.3	
1,1,2,2-Tetrachloroethane	#	0.519	0.600	-15.6	#
Toluene	*	1.973	1.926	2.4	*
Chlorobenzene	#	2.671	2.719	-1.8	#
Ethylbenzene	*	1.349	1.312	2.7	*
Styrene		2.096	2.194	-4.7	
M-Xylene		1.465	1.404	4.2	
O-&/or P-Xylene		1.363	1.366	-0.2	
Toluene-d8		2.219	2.033	8.4	
Benzene-d6		1.305	1.239	5.1	
1,2-Dichloroethane-d4		1.198	1.116	6.8	

7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Instrument ID: INCOS1 Calibration date: 05/25/93 Time: 1754

Lab File ID: IC0525AVE Init. Calib. Date(s): _____ _____

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

Min RRF15 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 35.0%

COMPOUND		$\overline{RRF}$	RRF15	%D	
Chloromethane	#		0.770	-99.9	#
Bromomethane			0.468	-99.9	
Vinyl Chloride	*		0.907	-99.9	*
Chloroethane			0.512	-99.9	
Methylene Chloride			1.068	-99.9	
Acetone			0.091	-99.9	
Acrolein			0.003	-99.9	
Carbon Disulfide			3.365	-99.9	
Acrylonitrile			0.069	-99.9	
1,1-Dichloroethene	*		1.622	-99.9	*
1,1-Dichloroethane	#		3.192	-99.9	#
1,2-Dichloroethene (total)			1.719	-99.9	
Chloroform	*		3.282	-99.9	*
1,2-Dichloroethane			1.385	-99.9	
2-Butanone			0.014	-99.9	
1,1,1-Trichloroethane			0.944	-99.9	
Carbon Tetrachloride			0.142	-99.9	
Vinyl acetate			0.063	-99.9	
Bromodichloromethane			0.816	-99.9	
1,2-Dichloropropane	*		0.637	-99.9	*
cis-1,3-Dichloropropene			0.510	-99.9	
Trichloroethene			0.961	-99.9	
Dibromochloromethane			0.657	-99.9	
1,1,2-Trichloroethane			0.367	-99.9	
Benzene			1.669	-99.9	
Trans-1,3-Dichloropropene			1.304	-99.9	
2-Chloroethylvinylether			0.011	-99.9	
Bromoform	#		0.447	-99.9	#
4-Methyl-2-Pentanone			0.400	-99.9	
2-Hexanone			0.244	-99.9	
Tetrachloroethene			1.620	-99.9	
1,1,2,2-Tetrachloroethane	#		0.519	-99.9	#
Toluene	*		1.973	-99.9	*
Chlorobenzene	#		2.671	-99.9	#
Ethylbenzene	*		1.349	-99.9	*
Styrene			2.096	-99.9	
M-Xylene			1.465	-99.9	
O-&/or P-Xylene			1.363	-99.9	
Toluene-d8			2.219	-99.9	
Benzene-d6			1.305	-99.9	
1,2-Dichloroethane-d4			1.198	-99.9	

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Lab File ID (Standard): IC0525AVE Date Analyzed: 05/25/93

Instrument ID: INCOS1 Time Analyzed: 1754

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) PACK

		IS1(BCM) AREA #	RT	IS2(BCP) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	118520	9.47	347200	18.49	213800	22.47
	UPPER LIMIT	237040		694400		427600	
	LOWER LIMIT	59260		173600		106900	
	EPA SAMPLE NO.						
01	93ZE33S39D1	124000	9.57	359000	18.60	229000	22.57
02	93ZE33S39D2	113000	9.54	320000	18.60	211000	22.57
03	0525BLK1	124000	9.54	357000	18.57	240000	22.57

IS1 BCM Bromochloromethane
IS2 BCP 2-Bromo-1-Chloropropane
IS3 DCB 1,4Dichlorobutane

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

FORM VIII VOA 1/87 Rev.

8A
VOLATILE INTERNAL STANDARD AREA SUMMARY

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Lab File ID (Standard): CC0526B Date Analyzed: 05/26/93

Instrument ID: INCOS1 Time Analyzed: 1238

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

		IS1(BCM) AREA #	RT	IS2(BCP) AREA #	RT	IS3(DCB) AREA #	RT
	12 HOUR STD	121000	9.44	334000	18.44	214000	22.40
	UPPER LIMIT	242000		668000		428000	
	LOWER LIMIT	60500		167000		107000	
	EPA SAMPLE NO.						
01	93ZE33D39D	113000	9.44	305000	18.47	193000	22.44
02	93ZE33D39DR	138000	9.40	320000	18.44	194000	22.40
03	93ZE33S38	125000	9.40	337000	18.40	195000	22.37
04	93ZE33S38MSR	133000	9.44	369000	18.44	231000	22.44
05	93ZE33S39D	91600	9.47	254000	18.47	132000	22.44
06	93ZE33S39DR	108000	9.44	286000	18.44	186000	22.44
07	93ZE33S39MSD	115000	9.44	329000	18.47	204000	22.44
08	93ZE33S39MSR	122000	9.47	340000	18.47	209000	22.44
09	93ZE33S38MS	116000	9.40	322000	18.44	196000	22.40
10	93ZE33S38MSR	133000	9.44	369000	18.44	231000	22.44
11	93ZE33S39MSD	115000	9.44	329000	18.47	204000	22.44
12	93ZE33S39MSR	122000	9.47	340000	18.47	209000	22.44
13	0526BLK2	134000	9.44	351000	18.44	208000	22.40

IS1 BCM Bromochloromethane
IS2 BCP 2-Bromo-1-Chloropropane
IS3 DCB 1,4Dichlorobutane

UPPER LIMIT = + 100% of internal standard area.
LOWER LIMIT = - 50% of internal standard area.

Column used to flag internal standard area values with an asterisk

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S38

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S38

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33S38

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	3	U
74-83-9	Bromomethane	3	U
75-01-4	Vinyl Chloride	3	U
75-00-3	Chloroethane	3	U
75-09-2	Methylene Chloride	1	U
67-64-1	Acetone	2	J
107-02-8	Acrolein	75	U
75-15-0	Carbon Disulfide	2	U
107-13-1	Acrylonitrile	50	U
75-35-4	1,1-Dichloroethene	1	U
75-35-3	1,1-Dichloroethane	1	U
540-59-0	1,2-Dichloroethene (total)	1	U
67-66-3	Chloroform	1	U
107-06-2	1,2-Dichloroethane	2	U
78-93-3	2-Butanone	20	U
71-55-6	1,1,1-Trichloroethane	1	U
56-23-5	Carbon Tetrachloride	1	U
108-05-4	Vinyl acetate	10	U
75-27-4	Bromodichloromethane	1	U
78-87-5	1,2-Dichloropropane	1	U
10061-01-5	cis-1,3-Dichloropropene	1	U
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	1	U
79-00-5	1,1,2-Trichloroethane	1	U
71-43-2	Benzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	1	U
110-75-8	2-Chloroethylvinylether	1	U
75-25-2	Bromoform	1	U
108-10-1	4-Methyl-2-Pentanone	4	U
591-78-6	2-Hexanone	4	U
127-18-4	Tetrachloroethene	1	U
79-34-5	1,1,2,2-Tetrachloroethane	1	U
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	1	U
100-42-5	Styrene	2	U
108-38-3	M-Xylene	2	U
95-47-6	O-&/or P-Xylene	2	U

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S38

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S38

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33S38

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 1

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

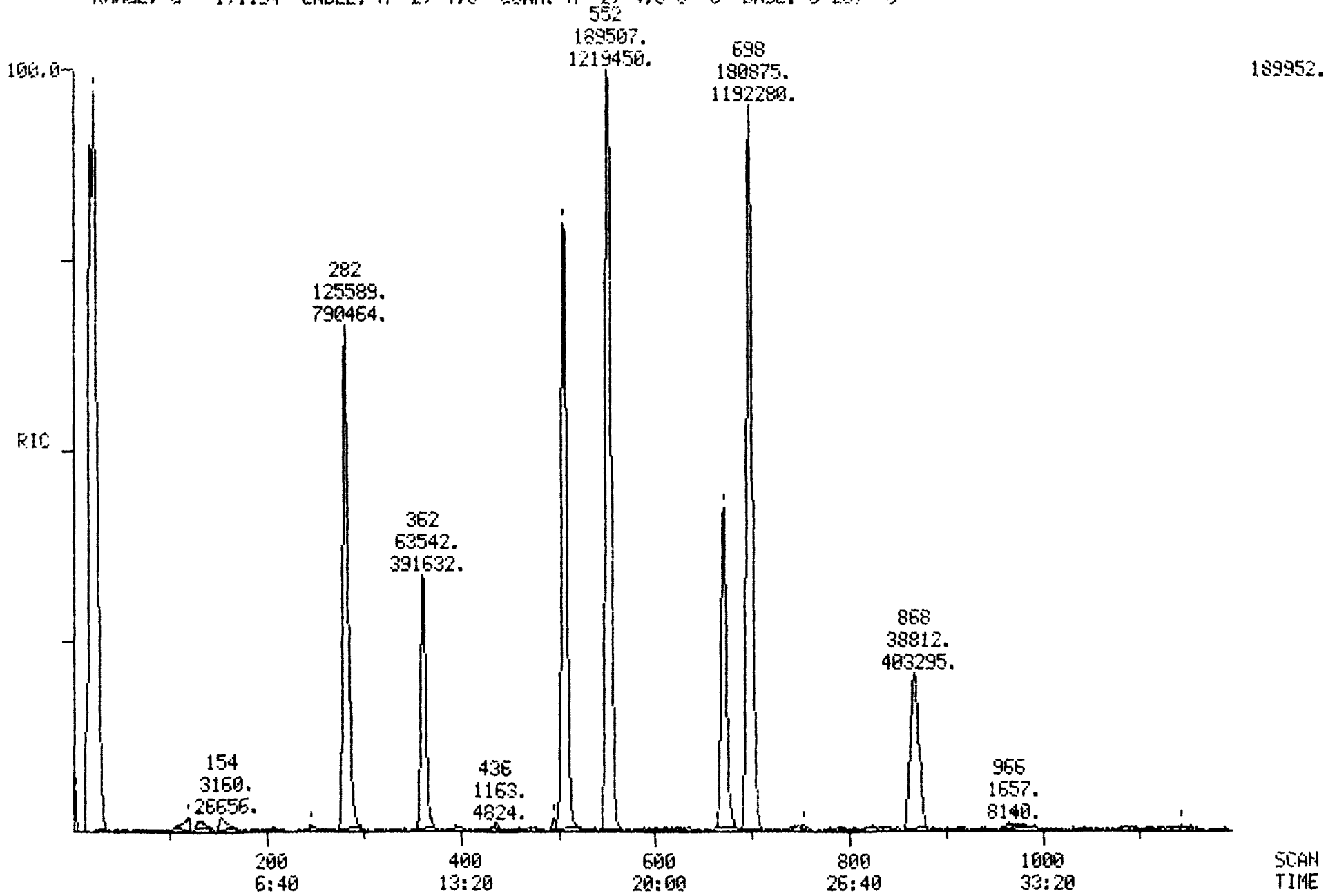
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 15:42:31
DATA FILE: 93ZE33S38
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	55	6	6	1	40	VP_IS/VP_SURR
3	3	1	55	12	4	1	53	VP_IS/VP_CMPDS1
3	3	1	55	12	4	1	70	VP_IS/VP_CMPDS2
3	3	1	55	12	3	1	55	VP_IS/VP_CMPDS3
3	3	1	55	14	7	1	76	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	282	282	.	1	971	.	128	282	.	1
2	VP	2	553	552	552	.	1	997	.	77	552	.	1
3	VP	3	672	672	672	.	1	993	.	55	671	-1	1
4	VP	4	363	362	362	.	1	982	.	65	362	.	1
5	VP	5	507	506	506	.	1	972	.	84	506	.	1
6	VP	6	699	698	698	.	1	997	.	98	698	.	1
7	VP	7	-54	52	.	.	.	.	.	50	50	.	1
8	VP	8	-83	81	.	.	.	.	.	94	.	.	.
9	VP	9	-92	90	.	.	.	.	.	62	91	.	1
10	VP	10	-125	123	.	.	.	.	.	64	.	.	.
11	VP	11	188	186	.	.	.	.	.	84	186	.	1
12	VP	12	-206	204	.	.	.	.	.	43	205	.	1
13	VP	13	-213	211	.	.	.	.	.	56	.	.	.
14	VP	14	235	233	233	.	1	914	.	76	233	.	1
15	VP	15	-230	228	.	.	.	.	.	53	.	.	.
16	VP	16	-268	266	.	.	.	.	.	96	.	.	.
17	VP	17	-305	303	.	.	.	.	.	63	.	.	.
18	VP	18	-328	327	.	.	.	.	.	96	.	.	.
19	VP	19	-344	343	.	.	.	.	.	83	343	.	1
20	VP	20	-366	365	.	.	.	.	.	62	.	.	.
21	VP	21	365	364	363	-1	1	924	.	72	.	.	.
22	VP	22	-403	402	.	.	.	.	.	97	403	.	1
23	VP	23	-403	402	.	.	.	.	.	117	.	.	.
24	VP	24	-420	419	.	.	.	.	.	43	420	.	1
25	VP	25	-431	430	.	.	.	.	.	83	.	.	.
26	VP	26	-471	470	.	.	.	.	.	63	.	.	.
27	VP	27	-479	478	.	.	.	.	.	75	.	.	.
28	VP	28	-497	496	.	.	.	.	.	130	495	.	1
29	VP	29	-514	513	.	.	.	.	.	129	.	.	.
30	VP	30	-517	516	.	.	.	.	.	97	.	.	.
31	VP	31	-511	510	.	.	.	.	.	78	.	.	.
32	VP	32	-517	516	.	.	.	.	.	75	.	.	.
33	VP	33	554	553	.	.	.	.	.	63	553	.	1
34	VP	34	-594	593	.	.	.	.	.	173	.	.	.
35	VP	35	-610	609	609	.	1	901	.	43	609	.	1
36	VP	36	-654	653	.	.	.	.	.	43	.	.	.
37	VP	37	-664	663	.	.	.	.	.	164	664	.	1
38	VP	38	-663	662	.	.	.	.	.	83	.	.	.
39	VP	39	704	703	703	.	1	964	.	92	704	1	1
40	VP	40	-738	737	.	.	.	.	.	112	.	.	.
41	VP	41	-795	794	.	.	.	.	.	106	.	.	.
42	VP	42	-910	909	.	.	.	.	.	104	910	.	1
43	VP	44	917	916	917	1	1	967	.	106	916	-1	1
44	VP	45	946	945	944	-1	1	966	.	106	944	.	1

RIC DATA: 93ZE33538 #1 SCANS 1 TO 1194
05/26/93 15:01:00 CALI: 93ZE33538 #3
SAMPLE: CLP,1187,,93ZE33538,L,W,,V,EPA
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S38

Data: 93ZE33S38.TI
05/26/93 15:01:00
Sample: CLP,1187,,93ZE33S38,L,W,,V,EPA
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	282	9:24	1	1.000	A BB	125238.	10.000 UG/L	12.90
2	77	552	18:24	2	1.000	A BB	337241.	10.000 UG/L	12.90
3	55	671	22:22	3	1.000	A BB	194546.	10.000 UG/L	12.90
4	65	362	12:04	1	1.284	A BB	124105.	8.881 UG/L	11.46
5	84	506	16:52	2	0.917	A BB	430420.	10.298 UG/L	13.28
6	98	698	23:16	3	1.040	A BB	447440.	11.315 UG/L	14.60
7	50	50	1:40	1	0.177	A VB	1187.	0.172 UG/L	0.22
8	NOT FOUND								
9	62	91	3:02	1	0.323	A BB	41.	0.004 UG/L	0.01
10	NOT FOUND								
11	84	186	6:12	1	0.660	A BB	915.	0.069 UG/L	0.09
12	43	205	6:50	1	0.727	A BB	2271.	1.736 UG/L	2.24
13	NOT FOUND								
14	76	233	7:46	1	0.826	A BB	1102.	0.026 UG/L	0.03
15	NOT FOUND								
16	NOT FOUND								
17	NOT FOUND								
18	NOT FOUND								
19	83	343	11:26	1	1.216	A BB	888.	0.022 UG/L	0.03
20	NOT FOUND								
21	NOT FOUND								
22	97	403	13:26	2	0.730	A BB	1090.	0.033 UG/L	0.04
23	NOT FOUND								
24	43	420	14:00	2	0.761	A BB	391.	0.144 UG/L	0.19
25	NOT FOUND								
26	NOT FOUND								
27	NOT FOUND								
28	130	495	16:30	2	0.897	A BB	3583.	0.105 UG/L	0.14
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
~~33~~	~~63~~	~~553~~	~~18:26~~	~~2~~	~~1.002~~	~~A BB~~	~~3697.~~	~~14.358 UG/L~~	~~18.52~~
34	NOT FOUND								
35	43	609	20:18	3	0.908	A BB	1462.	0.169 UG/L	0.22
36	NOT FOUND								
37	164	664	22:08	3	0.990	A BB	41.	0.001 UG/L	0.00
38	NOT FOUND								
39	92	704	23:28	3	1.049	A BB	7701.	0.206 UG/L	0.27
40	NOT FOUND								
41	NOT FOUND								
42	104	910	30:20	3	1.356	A BB	528.	0.012 UG/L	0.02
43	106	916	30:32	3	1.365	A BV	425.	0.016 UG/L	0.02
44	106	944	31:28	3	1.407	A BB	338.	0.013 UG/L	0.02

ZR 6-14-93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	8.88	10.00	0.991	1.116	0.89
5	16:54	1.00	0.917	1.00	10.30	10.00	1.276	1.239	1.03
6	23:18	1.00	1.040	1.00	11.31	10.00	2.300	2.033	1.13
7	1:46	0.94	0.187	0.95	0.17	30.00	0.003	0.552	0.01
8	2:44		0.290						
9	3:04	0.99	0.325	0.99	0.00	30.00	0.000	0.766	0.00
10	4:08		0.438						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	0.99	0.664	0.99	0.07	15.00	0.005	1.056	0.00
12	6:50	1.00	0.724	1.00	1.74	75.00	0.002	0.104	0.02
13	7:04		0.749						
14	7:46	1.00	0.823	1.00	0.03	15.00	0.006	3.360	0.00
15	7:36		0.806						
16	8:56		0.947						
17	10:10		1.078						
18	10:56		1.159						
19	11:28	1.00	1.216	1.00	0.02	15.00	0.005	3.279	0.00
20	12:12		1.293						
21	12:08		0.658						
22	13:26	1.00	0.729	1.00	0.03	15.00	0.002	0.965	0.00
23	13:26		0.729						
24	14:02	1.00	0.761	1.00	0.14	30.00	0.000	0.080	0.00
25	14:22		0.779						
26	15:42		0.852						
27	15:58		0.866						
28	16:32	1.00	0.897	1.00	0.10	15.00	0.007	1.012	0.01
29	17:08		0.929						
30	17:14		0.935						
31	17:02		0.924						
32	17:14		0.935						
33	18:26	1.00	1.000	1.00	14.36	15.00	0.007	0.008	0.96
34	19:48		1.074						
35	20:16	1.00	0.905	1.00	0.17	30.00	0.003	0.444	0.01
36	21:50		0.975						
37	22:10	1.00	0.990	1.00	0.00	15.00	0.000	1.625	0.00
38	22:06		0.987						
39	23:28	1.00	1.048	1.00	0.21	15.00	0.026	1.926	0.01
40	24:36		1.098						
41	26:30		1.183						
42	30:22	1.00	1.356	1.00	0.01	15.00	0.002	2.194	0.00
43	30:38	1.00	1.368	1.00	0.02	15.00	0.001	1.404	0.00
44	31:34	1.00	1.409	1.00	0.01	15.00	0.001	1.366	0.00

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39D

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33S39D

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	150	U
74-83-9	Bromomethane	150	U
75-01-4	Vinyl Chloride	150	U
75-00-3	Chloroethane	150	U
75-09-2	Methylene Chloride	120	B
67-64-1	Acetone	1000	J
107-02-8	Acrolein	3800	U
75-15-0	Carbon Disulfide	100	U
107-13-1	Acrylonitrile	2500	U
75-35-4	1,1-Dichloroethene	50	U
75-35-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	210	
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	75	U
78-93-3	2-Butanone	2500	
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
108-05-4	Vinyl acetate	500	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
110-75-8	2-Chloroethylvinylether	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	120	J
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	67	
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	1200	
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	180	
100-42-5	Styrene	100	U
108-38-3	M-Xylene	300	
95-47-6	O-&/or P-Xylene	210	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S39D

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33S39D

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 50

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

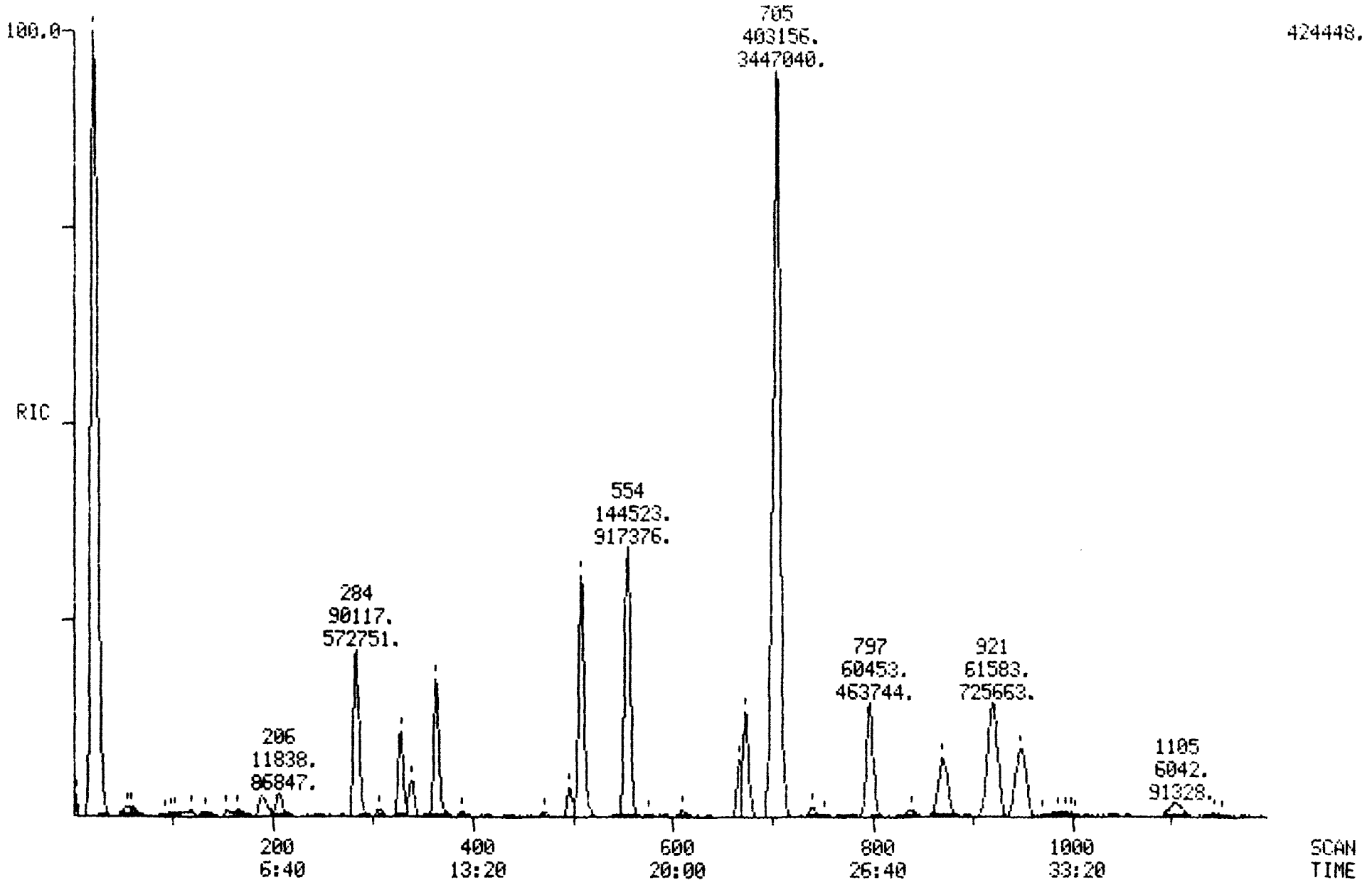
PROCEDURE: TCA DIAGNOSTIC REPORT 5/28/90 19:40:29
DATA FILE: 93ZE33S39D
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	55	6	6	1	40	VP_IS/VP_SURR
3	3	1	55	12	6	1	209	VP_IS/VP_CMPDS1
3	3	1	55	12	5	1	32	VP_IS/VP_CMPDS2
3	3	1	55	12	5	1	71	VP_IS/VP_CMPDS3
3	3	1	55	14	9	1	36	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 19 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------- CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	284	284	.	1	972	.	128	284	.	1
2	VP	2	553	554	554	.	1	995	.	77	554	.	1
3	VP	3	673	673	673	.	1	994	.	55	673	.	1
4	VP	4	363	364	364	.	1	987	.	65	364	.	1
5	VP	5	507	508	508	.	1	984	.	84	508	.	1
6	VP	6	699	700	700	.	1	997	.	98	700	.	1
7	VP	7	52	53	.	.	.	.	.	50	51	.	1
8	VP	8	81	82	.	.	.	.	.	94		.	.
9	VP	9	91	92	.	.	.	.	.	62	93	.	1
10	VP	10	123	124	.	.	.	.	.	64	123	.	1
11	VP	11	188	189	190	1	1	978	.	84	190	.	1
12	VP	12	-205	206	.	.	.	.	.	43	206	.	1
13	VP	13	-212	213	209	-4	1	651	.	56	209	.	1
14	VP	14	233	234	235	1	1	916	.	76	235	.	1
15	VP	15	-229	230	.	.	.	.	.	53		.	.
16	VP	16	269	270	.	.	.	.	.	96	269	.	1
17	VP	17	306	307	.	.	.	.	.	63	306	.	1
18	VP	18	328	329	329	.	1	972	.	96	329	.	1
19	VP	19	344	345	.	.	.	.	.	83	345	.	1
20	VP	20	366	367	.	.	.	.	.	62	367	.	1
21	VP	21	364	365	365	.	1	1000	.	72	364	-1	1
22	VP	22	403	404	.	.	.	.	.	97	404	.	1
23	VP	23	403	404	.	.	.	.	.	117		.	.
24	VP	24	421	422	.	.	.	.	.	43	420	.	2
25	VP	25	431	432	.	.	.	.	.	83	432	.	1
26	VP	26	471	472	473	1	1	916	.	63	472	-1	1
27	VP	27	479	480	.	.	.	.	.	75	479	.	1
28	VP	28	496	497	497	.	1	953	.	130	497	.	1
29	VP	29	514	515	.	.	.	.	.	129	515	.	1
30	VP	30	518	519	.	.	.	.	.	97	518	.	1
31	VP	31	512	513	.	.	.	.	.	78	512	.	1
32	VP	32	517	518	.	.	.	.	.	75	517	.	1
33	VP	33	-554	555	.	.	.	.	.	63	555	.	1
34	VP	34	595	596	.	.	.	.	.	173	597	.	1
35	VP	35	608	609	609	.	1	931	.	43	609	.	1
36	VP	36	-655	656	.	.	.	.	.	43	655	.	1
37	VP	37	-665	666	.	.	.	.	.	164	666	.	1
38	VP	38	665	666	.	.	.	.	.	83	666	.	1
39	VP	39	705	706	706	.	1	995	.	92	706	.	1
40	VP	40	739	740	740	.	1	966	.	112	740	.	1
41	VP	41	796	797	797	.	1	996	.	106	797	.	1
42	VP	42	913	914	.	.	.	.	.	104	915	.	1
43	VP	44	920	921	921	.	1	997	.	106	921	.	1
44	VP	45	948	949	949	.	1	999	.	106	949	.	1

RIC DATA: 93ZE33539D #1 SCANS 1 TO 1194
05/26/93 18:59:00 CALI: 93ZE33539D #3
SAMPLE: CLP,1187,,93ZE33539D,L,W,,V,EPA 1:50
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39D

Data: 93ZE33S39D.TI
05/26/93 18:59:00
Sample: CLP,1187,,93ZE33S39D,L,W,,V,EPA 1:50
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	284	9:28	1	1.000	A BB	91575.	10.000	UG/L	4.37
2	77	554	18:28	2	1.000	A BB	253547.	10.000	UG/L	4.37
3	55	673	22:26	3	1.000	A BB	132137.	10.000	UG/L	4.37
4	65	364	12:08	1	1.282	A BB	90851.	8.891	UG/L	3.89
5	84	508	16:56	2	0.917	A BB	358441.	11.406	UG/L	4.99
6	98	700	23:20	3	1.040	A BB	364441.	13.569	UG/L	5.93
7	50	51	1:42	1	0.180	A BV	699.	0.138	UG/L	0.06
8	NOT FOUND									
9	62	93	3:06	1	0.327	A BV	1289.	0.184	UG/L	0.08
10	64	123	4:06	1	0.433	A BB	508.	0.144	UG/L	0.06
11	84	190	6:20	1	0.669	A BB	23870.	2.469	UG/L	1.08
12	43	206	6:52	1	0.725	A BB	19519.	20.405	UG/L	8.92
13	56	209	6:58	1	0.736	A BB	397.	28.008	UG/L	12.24
14	76	235	7:50	1	0.827	A BB	1714.	0.056	UG/L	0.02
15	NOT FOUND									
16	96	269	8:58	1	0.947	A BB	387.	0.027	UG/L	0.01
17	63	306	10:12	1	1.077	A BB	2813.	0.099	UG/L	0.04
18	96	329	10:58	1	1.158	A BB	67264.	4.264	UG/L	1.86
19	83	345	11:30	1	1.215	A BB	724.	0.024	UG/L	0.01
20	62	367	12:14	1	1.292	A BB	897.	0.069	UG/L	0.03
21	72	364	12:08	2	0.657	A BB	21487.	49.479	UG/L	21.63
22	97	404	13:28	2	0.729	A BB	714.	0.029	UG/L	0.01
23	NOT FOUND									
24	43	420	14:00	2	0.758	A*VB	1111.	0.545	UG/L	0.24
25	83	432	14:24	2	0.780	A BB	90.	0.004	UG/L	0.00
26	63	472	15:44	2	0.852	A BB	3281.	0.188	UG/L	0.08
27	75	479	15:58	2	0.865	A BV	128.	0.009	UG/L	0.00
28	130	497	16:34	2	0.897	A BB	20273.	0.790	UG/L	0.35
29	129	515	17:10	2	0.930	A BB	97.	0.005	UG/L	0.00
30	97	518	17:16	2	0.935	A BB	349.	0.031	UG/L	0.01
31	78	512	17:04	2	0.924	A BB	23052.	0.535	UG/L	0.23
32	75	517	17:14	2	0.933	A VB	400.	0.011	UG/L	0.00
~~33~~	~~63~~	~~555~~	~~18:30~~	~~2~~	~~1.002~~	~~A BB~~	~~2859.~~	~~14.770~~	~~UG/L~~	~~6.46~~
34	173	597	19:54	2	1.078	A BB	297.	0.020	UG/L	0.01
35	43	609	20:18	3	0.905	A BB	14016.	2.388	UG/L	1.04
36	43	655	21:50	3	0.973	A VB	3101.	0.792	UG/L	0.35
37	164	666	22:12	3	0.990	A BB	28494.	1.327	UG/L	0.58
38	83	666	22:12	3	0.990	A BB	1439.	0.182	UG/L	0.08
39	92	706	23:32	3	1.049	A BB	585988.	23.021	UG/L	10.06
40	112	740	24:40	3	1.100	A BB	11116.	0.309	UG/L	0.14
41	106	797	26:34	3	1.184	A BB	63205.	3.646	UG/L	1.59
42	104	915	30:30	3	1.360	A BB	25144.	0.867	UG/L	0.38
43	106	921	30:42	3	1.368	A BB	109900.	5.926	UG/L	2.59
44	106	949	31:38	3	1.410	A BB	74530.	4.129	UG/L	1.81

zR 61493

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	8.89	10.00	0.992	1.116	0.89
5	16:54	1.00	0.917	1.00	11.41	10.00	1.414	1.239	1.14
6	23:18	1.00	1.040	1.00	13.57	10.00	2.758	2.033	1.36
7	1:46	0.96	0.187	0.96	0.14	30.00	0.003	0.552	0.00
8	2:44		0.290						
9	3:04	1.01	0.325	1.01	0.18	30.00	0.005	0.766	0.01
10	4:08	0.99	0.438	0.99	0.14	30.00	0.002	0.385	0.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.01	0.664	1.01	2.47	15.00	0.174	1.056	0.16
12	6:50	1.00	0.724	1.00	20.41	75.00	0.028	0.104	0.27
13	7:04	0.99	0.749	0.98	28.01	75.00	0.001	0.002	0.37
14	7:46	1.01	0.823	1.01	0.06	15.00	0.012	3.360	0.00
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	0.03	15.00	0.003	1.586	0.00
17	10:10	1.00	1.078	1.00	0.10	15.00	0.020	3.107	0.01
18	10:56	1.00	1.159	1.00	4.26	15.00	0.490	1.722	0.28
19	11:28	1.00	1.216	1.00	0.02	15.00	0.005	3.279	0.00
20	12:12	1.00	1.293	1.00	0.07	15.00	0.007	1.415	0.00
21	12:08	1.00	0.658	1.00	49.48	75.00	0.011	0.017	0.66
22	13:26	1.00	0.729	1.00	0.03	15.00	0.002	0.965	0.00
23	13:26		0.729						
24	14:02	1.00	0.761	1.00	0.55	30.00	0.001	0.080	0.02
25	14:22	1.00	0.779	1.00	0.00	15.00	0.000	0.934	0.00
26	15:42	1.00	0.852	1.00	0.19	15.00	0.009	0.688	0.01
27	15:58	1.00	0.866	1.00	0.01	24.30	0.000	0.561	0.00
28	16:32	1.00	0.897	1.00	0.79	15.00	0.053	1.012	0.05
29	17:08	1.00	0.929	1.00	0.00	15.00	0.000	0.792	0.00
30	17:14	1.00	0.935	1.00	0.03	15.00	0.001	0.439	0.00
31	17:02	1.00	0.924	1.00	0.53	15.00	0.061	1.701	0.04
32	17:14	1.00	0.935	1.00	0.01	5.70	0.003	1.461	0.00
33	18:26	1.00	1.000	1.00	14.77	15.00	0.008	0.008	0.98
34	19:48	1.01	1.074	1.00	0.02	15.00	0.001	0.576	0.00
35	20:16	1.00	0.905	1.00	2.39	30.00	0.035	0.444	0.08
36	21:50	1.00	0.975	1.00	0.79	30.00	0.008	0.296	0.03
37	22:10	1.00	0.990	1.00	1.33	15.00	0.144	1.625	0.09
38	22:06	1.00	0.987	1.00	0.18	15.00	0.007	0.600	0.01
39	23:28	1.00	1.048	1.00	23.02	15.00	2.956	1.926	1.53
40	24:36	1.00	1.098	1.00	0.31	15.00	0.056	2.719	0.02
41	26:30	1.00	1.183	1.00	3.65	15.00	0.319	1.312	0.24
42	30:22	1.00	1.356	1.00	0.87	15.00	0.127	2.194	0.06
43	30:38	1.00	1.368	1.00	5.93	15.00	0.554	1.404	0.40
44	31:34	1.00	1.409	1.00	4.13	15.00	0.376	1.366	0.28

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39DR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39DR

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33S39DR

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 10

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	30	U
74-83-9	Bromomethane	30	U
75-01-4	Vinyl Chloride	30	U
75-00-3	Chloroethane	30	U
75-09-2	Methylene Chloride	66	B
67-64-1	Acetone	1300	
107-02-8	Acrolein	750	U
75-15-0	Carbon Disulfide	20	U
107-13-1	Acrylonitrile	500	U
75-35-4	1,1-Dichloroethene	10	U
75-35-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	190	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	3700	E
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl acetate	100	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	29	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	20	
10061-02-6	Trans-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	97	
591-78-6	2-Hexanone	40	U
127-18-4	Tetrachloroethene	44	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	720	
108-90-7	Chlorobenzene	12	
100-41-4	Ethylbenzene	140	
100-42-5	Styrene	32	
108-38-3	M-Xylene	230	
95-47-6	O-&/or P-Xylene	160	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S39DR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39DR

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33S39DR

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 10

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

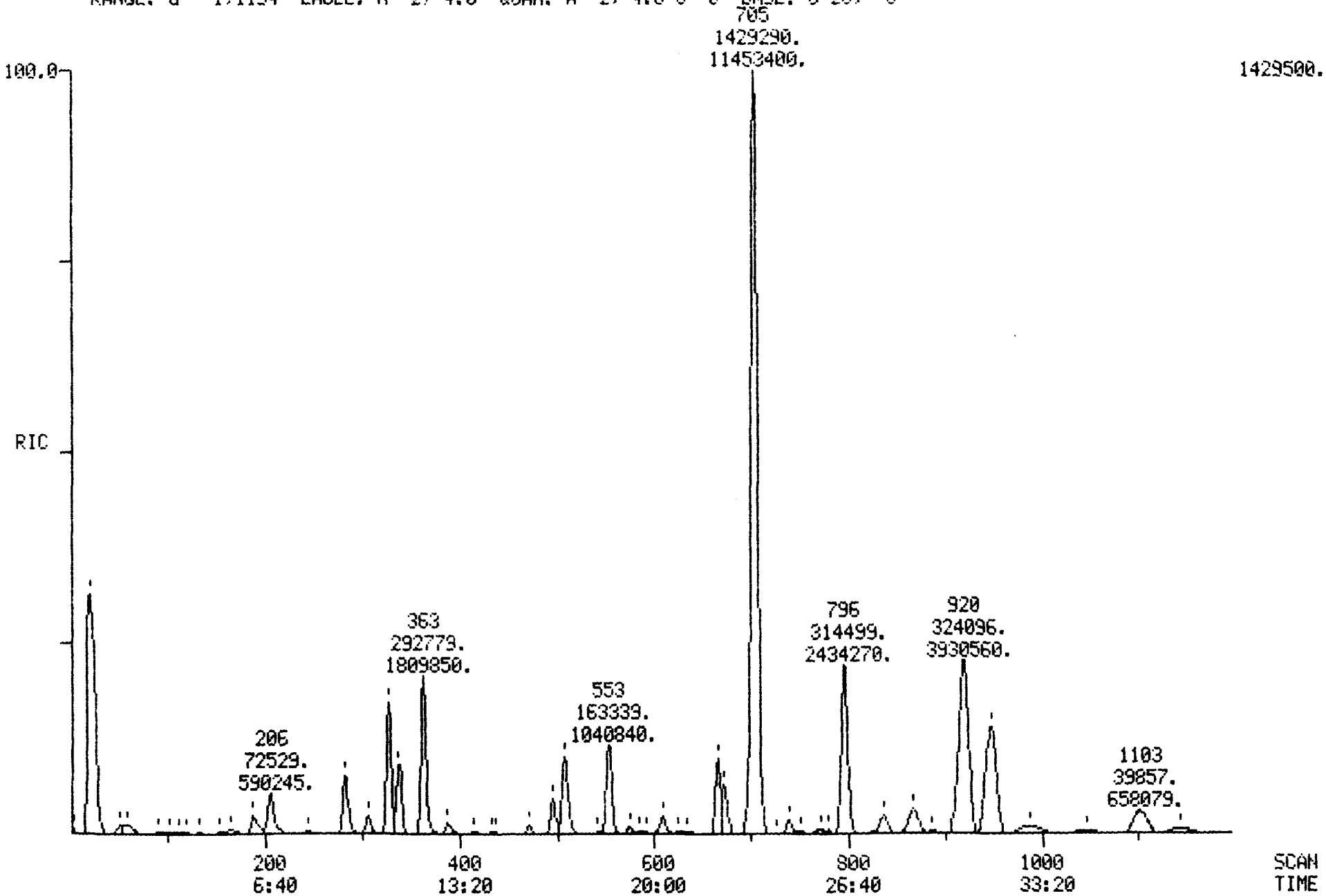
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 23:39:31
DATA FILE: 93ZE33S39DR
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	55	6	6	1	40	VP_IS/VP_SURR
3	3	1	55	12	8	1	81	VP_IS/VP_CMPDS1
3	3	1	55	12	6	1	54	VP_IS/VP_CMPDS2
3	3	1	55	12	7	1	49	VP_IS/VP_CMPDS3
3	3	1	55	14	9	1	53	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 24 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	284	283	283	.	1	975	.	128	283	.	1
2	VP	2	554	553	553	.	1	996	.	77	553	.	1
3	VP	3	673	673	673	.	1	995	.	55	673	.	1
4	VP	4	364	363	363	.	1	986	.	65	363	.	1
5	VP	5	508	507	507	.	1	999	.	84	507	.	1
6	VP	6	700	699	699	.	1	997	.	98	699	.	1
7	VP	7	52	51	.	.	.	.	.	50	.	.	.
8	VP	8	82	81	.	.	.	.	.	94	.	.	.
9	VP	9	92	91	91	.	1	989	.	62	91	.	1
10	VP	10	124	123	124	1	1	955	.	64	124	.	1
11	VP	11	189	188	188	.	1	982	.	84	188	.	1
12	VP	12	206	205	205	.	1	955	.	43	205	.	1
13	VP	13	-209	208	.	.	.	.	.	56	208	.	1
14	VP	14	234	233	235	2	1	989	.	76	235	.	1
15	VP	15	-230	229	.	.	.	.	.	53	.	.	.
16	VP	16	269	268	.	.	.	.	.	96	269	.	1
17	VP	17	306	305	306	1	1	966	.	63	306	.	1
18	VP	18	328	327	327	.	1	974	.	96	327	.	1
19	VP	19	345	344	.	.	.	.	.	83	344	.	1
20	VP	20	367	366	.	.	.	.	.	62	366	.	1
21	VP	21	364	363	363	.	1	998	.	72	363	.	1
22	VP	22	404	403	.	.	.	.	.	97	403	.	1
23	VP	23	404	403	.	.	.	.	.	117	.	.	.
24	VP	24	422	421	.	.	.	.	.	43	.	.	.
25	VP	25	432	431	.	.	.	.	.	83	432	.	1
26	VP	26	472	471	471	.	1	985	.	63	471	.	1
27	VP	27	480	479	.	.	.	.	.	75	.	.	.
28	VP	28	497	496	497	1	1	955	.	130	496	-1	1
29	VP	29	515	514	.	.	.	.	.	129	514	.	1
30	VP	30	518	517	.	.	.	.	.	97	519	.	1
31	VP	31	512	511	511	.	1	984	.	78	512	1	1
32	VP	32	518	517	.	.	.	.	.	75	.	.	.
33	VP	33	554	554	554	.	1	918	.	63	553	-1	1
34	VP	34	595	594	.	.	.	.	.	173	595	.	1
35	VP	35	609	608	609	1	1	995	.	43	609	.	1
36	VP	36	-655	654	.	.	.	.	.	43	655	.	1
37	VP	37	666	665	.	.	.	.	.	164	666	.	1
38	VP	38	665	664	.	.	.	.	.	83	665	.	1
39	VP	39	706	705	705	.	1	982	-2	92	705	.	1
40	VP	40	740	739	740	1	1	988	.	112	739	-1	1
41	VP	41	797	796	796	.	1	998	.	106	796	.	1
42	VP	42	914	913	.	.	.	.	.	104	912	.	1
43	VP	44	921	920	920	.	1	996	.	106	920	.	1
44	VP	45	949	948	948	.	1	998	.	106	948	.	1

RIC DATA: 93ZE33539DR #1 SCANS 1 TO 1194
05/26/93 22:58:00 CALI: 93ZE33539DR #3
SAMPLE: CLP,1187,,93ZE33539DR,L,W,,V,EPA 1:10
CONDS.: 10
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39DR

Data: 93ZE33S39DR.TI
05/26/93 22:58:00
Sample: CLP,1187,,93ZE33S39DR,L,W,,V,EPA 1:10
Conds.: 10
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	283	9:26	1	1.000	A BB	108387.	10.000	UG/L	1.20
2	77	553	18:26	2	1.000	A BB	286391.	10.000	UG/L	1.20
3	55	673	22:26	3	1.000	A BB	185534.	10.000	UG/L	1.20
4	65	363	12:06	1	1.283	A BB	121033.	10.008	UG/L	1.20
5	84	507	16:54	2	0.917	A BB	361671.	10.189	UG/L	1.22
6	98	699	23:18	3	1.039	A BB	367095.	9.734	UG/L	1.16
7	NOT	FOUND								
8	NOT	FOUND								
9	62	91	3:02	1	0.322	A BB	7120.	0.858	UG/L	0.10
10	64	124	4:08	1	0.438	A BB	2614.	0.627	UG/L	0.08
11	84	188	6:16	1	0.664	A BB	75190.	6.571	UG/L	0.79
12	43	205	6:50	1	0.724	A BB	142797.	126.127	UG/L	15.09
13	56	208	6:56	1	0.735	A BV	1386.	82.637	UG/L	9.89
14	76	235	7:50	1	0.830	A BB	3987.	0.109	UG/L	0.01
15	NOT	FOUND								
16	96	269	8:58	1	0.951	A BB	518.	0.030	UG/L	0.00
17	63	306	10:12	1	1.081	A BB	13275.	0.394	UG/L	0.05
18	96	327	10:54	1	1.155	A BB	352468.	18.879	UG/L	2.26
19	83	344	11:28	1	1.216	A BB	1209.	0.034	UG/L	0.00
20	62	366	12:12	1	1.293	A BB	5202.	0.339	UG/L	0.04
21	72	363	12:06	2	0.656	A BB	183411.	373.898	UG/L	44.74
22	97	403	13:26	2	0.729	A BB	839.	0.030	UG/L	0.00
23	NOT	FOUND								
24	NOT	FOUND								
25	83	432	14:24	2	0.781	A BB	513.	0.019	UG/L	0.00
26	63	471	15:42	2	0.852	A BB	17949.	0.911	UG/L	0.11
27	NOT	FOUND								
28	130	496	16:32	2	0.897	A BB	82931.	2.861	UG/L	0.34
29	129	514	17:08	2	0.929	A BB	772.	0.034	UG/L	0.00
30	97	519	17:18	2	0.939	A BB	901.	0.072	UG/L	0.01
31	78	512	17:04	2	0.926	A BB	99055.	2.034	UG/L	0.24
32	NOT	FOUND								
~~33~~	~~63~~	~~553~~	~~18:26~~	~~2~~	~~1.000~~	~~A BB~~	~~3317.~~	~~15.172~~	~~UG/L~~	~~1.82~~
34	173	595	19:50	2	1.076	A BB	1360.	0.082	UG/L	0.01
35	43	609	20:18	3	0.905	A BB	79636.	9.664	UG/L	1.16
36	43	655	21:50	3	0.973	A BV	4071.	0.741	UG/L	0.09
37	164	666	22:12	3	0.990	A BB	131154.	4.351	UG/L	0.52
38	83	665	22:10	3	0.988	A BB	4494.	0.404	UG/L	0.05
39	92	705	23:30	3	1.048	A BB	2560750.	71.648	UG/L	8.57
40	112	739	24:38	3	1.098	A BB	58155.	1.153	UG/L	0.14
41	106	796	26:32	3	1.183	A BB	331450.	13.616	UG/L	1.63
42	104	912	30:24	3	1.355	A BB	130230.	3.199	UG/L	0.38
43	106	920	30:40	3	1.367	A BB	600756.	23.069	UG/L	2.76
44	106	948	31:36	3	1.409	A BB	409877.	16.174	UG/L	1.94

ZR 6-14-93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1 000	1.00
4	12:06	1.00	1.283	1.00	10.01	10.00	1.117	1.116	1.00
5	16:54	1.00	0.917	1.00	10.19	10.00	1.263	1.239	1.02
6	23:18	1.00	1.040	1.00	9.73	10.00	1.979	2.033	0.97
7	1:46		0.187						
8	2:44		0.290						
9	3:04	0.99	0.325	0.99	0.86	30.00	0.022	0.766	0.03
10	4:08	1.00	0.438	1.00	0.63	30.00	0.008	0 385	0.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.00	0.664	1.00	6.57	15.00	0.462	1.056	0.44
12	6:50	1.00	0.724	1.00	126.13	75.00	0.176	0.104	1.68
13	7:04	0.98	0.749	0.98	82.64	75.00	0.002	0.002	1.10
14	7:46	1.01	0.823	1.01	0.11	15.00	0.025	3.360	0.01
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	0.03	15.00	0.003	1.586	0.00
17	10:10	1.00	1.078	1.00	0.39	15.00	0.082	3.107	0.03
18	10:56	1.00	1.159	1.00	18.88	15.00	2.168	1.722	1.26
19	11:28	1.00	1.216	1.00	0.03	15.00	0.007	3.279	0.00
20	12:12	1.00	1.293	1.00	0.34	15.00	0.032	1.415	0.02
21	12:08	1.00	0.658	1.00	373.90	75.00	0.085	0.017	4.99
22	13:26	1.00	0.729	1.00	0.03	15.00	0.002	0.965	0.00
23	13:26		0.729						
24	14:02		0.761						
25	14:22	1.00	0.779	1.00	0.02	15.00	0.001	0.934	0.00
26	15:42	1.00	0.852	1.00	0.91	15.00	0.042	0.688	0.06
27	15:58		0.866						
28	16:32	1.00	0.897	1.00	2.86	15.00	0.193	1.012	0.19
29	17:08	1.00	0.929	1.00	0.03	15.00	0.002	0.792	0.00
30	17:14	1.00	0.935	1.00	0.07	15.00	0.002	0.439	0.00
31	17:02	1.00	0.924	1.00	2.03	15.00	0.231	1.701	0.14
32	17:14		0.935						
33	18:26	1.00	1.000	1.00	15.17	15.00	0.008	0.008	1.01
34	19:48	1.00	1.074	1.00	0.08	15.00	0.003	0.576	0.01
35	20:16	1.00	0.905	1.00	9.66	30.00	0.143	0.444	0.32
36	21:50	1.00	0.975	1.00	0.74	30.00	0.007	0.296	0.02
37	22:10	1.00	0.990	1.00	4.35	15.00	0.471	1.625	0.29
38	22:06	1.00	0.987	1.00	0.40	15.00	0.016	0.600	0.03
39	23:28	1.00	1.048	1.00	71.65	15.00	9.201	1.926	4.78
40	24:36	1.00	1.098	1.00	1.15	15.00	0.209	2.719	0.08
41	26:30	1.00	1.183	1.00	13.62	15.00	1.191	1.312	0.91
42	30:22	1.00	1.356	1.00	3.20	15.00	0.468	2.194	0.21
43	30:38	1.00	1.368	1.00	23.07	15.00	2.159	1.404	1.54
44	31:34	1.00	1.409	1.00	16.17	15.00	1.473	1.366	1.08

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33D39D

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D

Sample wt/vol: 20.0 (g/mL) ML Lab File ID: 93ZE33D39D

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	150	U
74-83-9	Bromomethane	150	U
75-01-4	Vinyl Chloride	150	U
75-00-3	Chloroethane	150	U
75-09-2	Methylene Chloride	70	B
67-64-1	Acetone	960	J
107-02-8	Acrolein	3800	U
75-15-0	Carbon Disulfide	100	U
107-13-1	Acrylonitrile	2500	U
75-35-4	1,1-Dichloroethene	50	U
75-35-3	1,1-Dichloroethane	50	U
540-59-0	1,2-Dichloroethene (total)	170	
67-66-3	Chloroform	50	U
107-06-2	1,2-Dichloroethane	75	U
78-93-3	2-Butanone	2900	
71-55-6	1,1,1-Trichloroethane	50	U
56-23-5	Carbon Tetrachloride	50	U
108-05-4	Vinyl acetate	500	U
75-27-4	Bromodichloromethane	50	U
78-87-5	1,2-Dichloropropane	50	U
10061-01-5	cis-1,3-Dichloropropene	50	U
79-01-6	Trichloroethene	50	U
124-48-1	Dibromochloromethane	50	U
79-00-5	1,1,2-Trichloroethane	50	U
71-43-2	Benzene	50	U
10061-02-6	Trans-1,3-Dichloropropene	50	U
110-75-8	2-Chloroethylvinylether	50	U
75-25-2	Bromoform	50	U
108-10-1	4-Methyl-2-Pentanone	88	J
591-78-6	2-Hexanone	200	U
127-18-4	Tetrachloroethene	58	
79-34-5	1,1,2,2-Tetrachloroethane	50	U
108-88-3	Toluene	810	
108-90-7	Chlorobenzene	50	U
100-41-4	Ethylbenzene	120	
100-42-5	Styrene	100	U
108-38-3	M-Xylene	210	
95-47-6	O-&/or P-Xylene	140	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33D39D

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33D39D

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 50

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

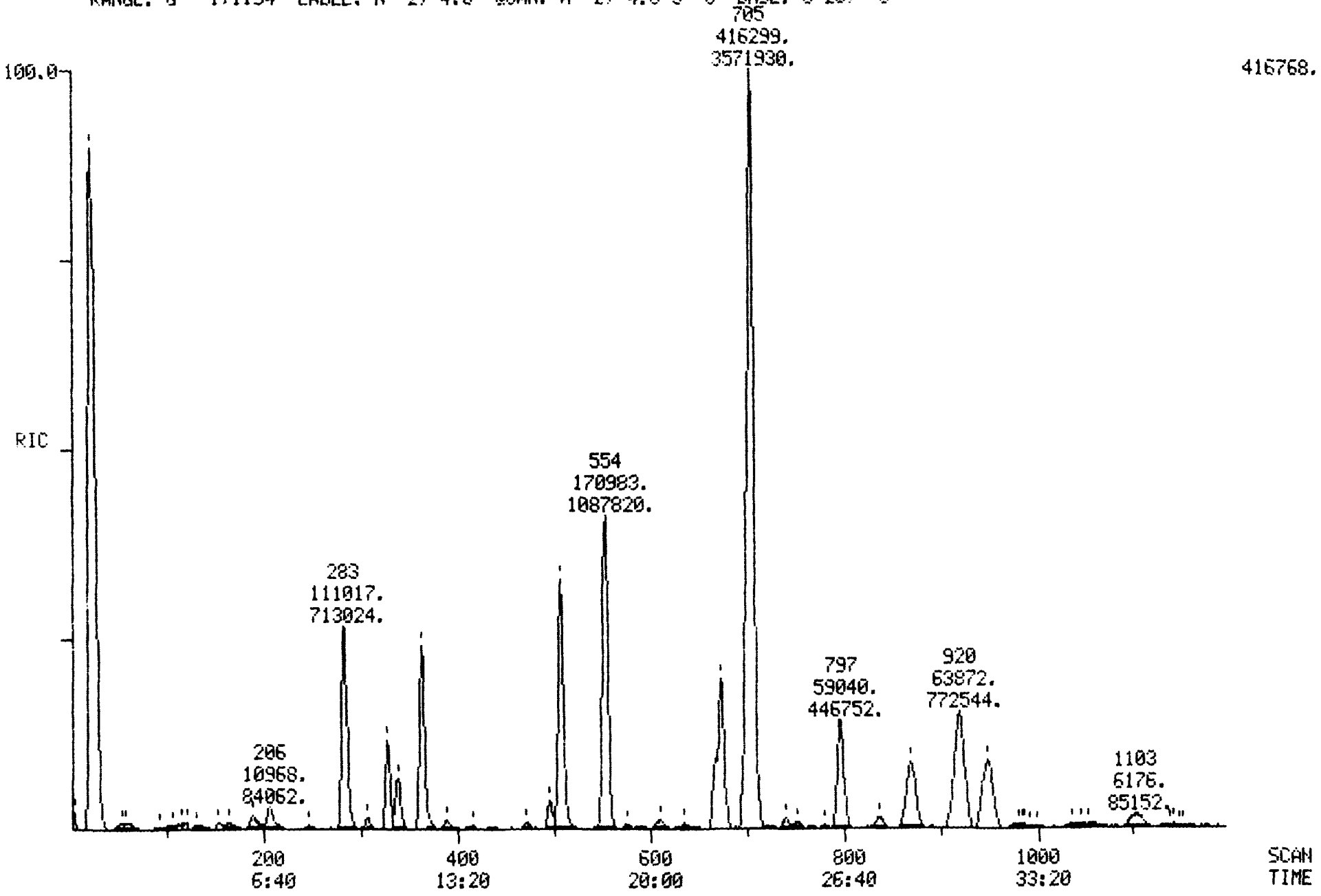
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 20:28:18
DATA FILE: 93ZE33D39D
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	24	6	6	1	57	VP_IS/VP_SURR
3	3	1	24	12	5	1	48	VP_IS/VP_CMPDS1
3	3	1	24	12	5	1	19	VP_IS/VP_CMPDS2
3	3	1	24	12	5	1	89	VP_IS/VP_CMPDS3
3	3	1	24	14	10	1	113	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 19 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	284	283	283	.	1	972	.	128	283	.	1
2	VP	2	554	554	554	.	1	997	.	77	554	.	1
3	VP	3	673	673	673	.	1	992	.	55	673	.	1
4	VP	4	364	364	364	.	1	985	.	65	364	.	1
5	VP	5	508	508	508	.	1	986	.	84	508	.	1
6	VP	6	700	700	699	-1	1	997	.	98	699	.	1
7	VP	7	-53	52	.	.	.	.	.	50	51	.	1
8	VP	8	-82	81	.	.	.	.	.	94	.	.	.
9	VP	9	-92	91	.	.	.	.	.	62	92	.	1
10	VP	10	-124	123	.	.	.	.	.	64	124	.	1
11	VP	11	190	189	189	.	1	976	.	84	189	.	1
12	VP	12	-206	205	.	.	.	.	.	43	206	.	1
13	VP	13	209	208	.	.	.	.	.	56	209	.	1
14	VP	14	235	234	235	1	1	915	.	76	235	.	1
15	VP	15	-230	229	.	.	.	.	.	53	.	.	.
16	VP	16	-270	269	.	.	.	.	.	96	269	.	1
17	VP	17	-307	306	.	.	.	.	.	63	306	.	1
18	VP	18	329	328	328	.	1	973	.	96	328	.	1
19	VP	19	-345	344	.	.	.	.	.	83	345	.	1
20	VP	20	-367	366	.	.	.	.	.	62	367	.	2
21	VP	21	365	364	364	.	1	1000	.	72	364	.	1
22	VP	22	-404	403	.	.	.	.	.	97	404	.	1
23	VP	23	-404	403	.	.	.	.	.	117		.	.
24	VP	24	-422	421	.	.	.	.	.	43	.	.	.
25	VP	25	-432	431	.	.	.	.	.	83	431	.	1
26	VP	26	473	472	471	-1	1	938	.	63	472	1	1
27	VP	27	-480	479	.	.	.	.	.	75	.	.	.
28	VP	28	497	496	497	1	1	955	.	130	497	.	1
29	VP	29	-515	514	.	.	.	.	.	129	.	.	.
30	VP	30	-519	518	.	.	.	.	.	97	.	.	.
31	VP	31	-513	512	.	.	.	.	.	78	512	.	1
32	VP	32	-518	517	.	.	.	.	.	75	518	.	1
33	VP	33	-555	555	.	.	.	.	.	63	553	.	1
34	VP	34	-596	596	.	.	.	.	.	173	.	.	.
35	VP	35	609	609	609	.	1	994	.	43	609	.	1
36	VP	36	-656	656	.	.	.	.	.	43	.	.	.
37	VP	37	-666	666	.	.	.	.	.	164	666	.	1
38	VP	38	-666	666	.	.	.	.	.	83	665	.	1
39	VP	39	706	706	705	-1	1	994	.	92	705	.	1
40	VP	40	740	740	740	.	1	984	.	112	740	.	1
41	VP	41	797	797	797	.	1	996	.	106	797	.	1
42	VP	42	-914	914	917	3	1	912	.	104	.	.	.
43	VP	44	921	921	920	-1	1	997	.	106	921	1	1
44	VP	45	949	950	949	-1	1	997	.	106	949	.	1

RIC DATA: 93ZE33D39D #1 SCANS 1 TO 1194
05/26/93 19:46:00 CALI: 93ZE33D39D #3
SAMPLE: CLP,1187,,93ZE33D39D,L,W,,V,EPA 1:50
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33D39D

Data: 93ZE33D39D.TI
05/26/93 19:46:00
Sample: CLP,1187,,93ZE33D39D,L,W,,V,EPA 1:50
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	283	9:26	1	1.000	A BB	113122.	10.000	UG/L	5.25
2	77	554	18:28	2	1.000	A BB	305045.	10.000	UG/L	5.25
3	55	673	22:26	3	1.000	A BB	193115.	10.000	UG/L	5.25
4	65	364	12:08	1	1.286	A BB	119128.	9.438	UG/L	4.96
5	84	508	16:56	2	0.917	A BB	377793.	9.993	UG/L	5.25
6	98	699	23:18	3	1.039	A BB	386884.	9.856	UG/L	5.18
7	50	51	1:42	1	0.180	A BV	1032.	0.165	UG/L	0.09
8	NOT FOUND									
9	62	92	3:04	1	0.325	A BV	1185.	0.137	UG/L	0.07
10	64	124	4:08	1	0.438	A BB	307.	0.071	UG/L	0.04
11	84	189	6:18	1	0.668	A BB	16658.	1.395	UG/L	0.73
12	43	206	6:52	1	0.728	A BB	22742.	19.246	UG/L	10.11
13	56	209	6:58	1	0.739	A BB	50.	2.856	UG/L	1.50
14	76	235	7:50	1	0.830	A BB	1162.	0.031	UG/L	0.02
15	NOT FOUND									
16	96	269	8:58	1	0.951	A BB	511.	0.028	UG/L	0.01
17	63	306	10:12	1	1.081	A BB	2836.	0.081	UG/L	0.04
18	96	328	10:56	1	1.159	A BB	68070.	3.493	UG/L	1.83
19	83	345	11:30	1	1.219	A BB	929.	0.025	UG/L	0.01
20	62	367	12:14	1	1.297	A*BB	883.	0.055	UG/L	0.03
21	72	364	12:08	2	0.657	A BB	30352.	58.091	UG/L	30.51
22	97	404	13:28	2	0.729	A BB	937.	0.032	UG/L	0.02
23	NOT FOUND									
24	NOT FOUND									
25	83	431	14:22	2	0.778	A BB	82.	0.003	UG/L	0.00
26	63	472	15:44	2	0.852	A BB	3892.	0.185	UG/L	0.10
27	NOT FOUND									
28	130	497	16:34	2	0.897	A BB	19882.	0.644	UG/L	0.34
29	NOT FOUND									
30	NOT FOUND									
31	78	512	17:04	2	0.924	A BB	22571.	0.435	UG/L	0.23
32	75	518	17:16	2	0.935	A VB	334.	0.007	UG/L	0.00
~~33~~	~~63~~	~~553~~	~~18:26~~	~~2~~	~~0.998~~	~~A BB~~	~~3598.~~	~~15.450~~	~~UG/L~~	~~8.11~~ LR 6-14-93
34	NOT FOUND									
35	43	609	20:18	3	0.905	A BB	14992.	1.748	UG/L	0.92
36	NOT FOUND									
37	164	666	22:12	3	0.990	A BB	36005.	1.147	UG/L	0.60
38	83	665	22:10	3	0.988	A BB	776.	0.067	UG/L	0.04
39	92	705	23:30	3	1.048	A BB	598761.	16.095	UG/L	8.45
40	112	740	24:40	3	1.100	A BB	12241.	0.233	UG/L	0.12
41	106	797	26:34	3	1.184	A BB	62218.	2.456	UG/L	1.29
42	NOT FOUND									
43	106	921	30:42	3	1.368	A BB	112382.	4.146	UG/L	2.18
44	106	949	31:38	3	1.410	A BB	74119.	2.810	UG/L	1.48

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	9.44	10.00	1.053	1.116	0.94
5	16:54	1.00	0.917	1.00	9.99	10.00	1.238	1.239	1.00
6	23:18	1.00	1.040	1.00	9.86	10.00	2.003	2.033	0.99
7	1:46	0.96	0.187	0.96	0.17	30.00	0.003	0.552	0.01
8	2:44		0.290						
9	3:04	1.00	0.325	1.00	0.14	30.00	0.003	0.766	0.00
10	4:08	1.00	0.438	1.00	0.07	30.00	0.001	0.385	0.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.01	0.664	1.01	1.39	15.00	0.098	1.056	0.09
12	6:50	1.00	0.724	1.00	19.25	75.00	0.027	0.104	0.26
13	7:04	0.99	0.749	0.99	2.86	75.00	0.000	0.002	0.04
14	7:46	1.01	0.823	1.01	0.03	15.00	0.007	3.360	0.00
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	0.03	15.00	0.003	1.586	0.00
17	10:10	1.00	1.078	1.00	0.08	15.00	0.017	3.107	0.01
18	10:56	1.00	1.159	1.00	3.49	15.00	0.401	1.722	0.23
19	11:28	1.00	1.216	1.00	0.03	15.00	0.005	3.279	0.00
20	12:12	1.00	1.293	1.00	0.06	15.00	0.005	1.415	0.00
21	12:08	1.00	0.658	1.00	58.09	75.00	0.013	0.017	0.77
22	13:26	1.00	0.729	1.00	0.03	15.00	0.002	0.965	0.00
23	13:26		0.729						
24	14:02		0.761						
25	14:22	1.00	0.779	1.00	0.00	15.00	0.000	0.934	0.00
26	15:42	1.00	0.852	1.00	0.19	15.00	0.009	0.688	0.01
27	15:58		0.866						
28	16:32	1.00	0.897	1.00	0.64	15.00	0.043	1.012	0.04
29	17:08		0.929						
30	17:14		0.935						
31	17:02	1.00	0.924	1.00	0.44	15.00	0.049	1.701	0.03
32	17:14	1.00	0.935	1.00	0.01	5.70	0.002	1.461	0.00
33	18:26	1.00	1.000	1.00	15.45	15.00	0.008	0.008	1.03
34	19:48		1.074						
35	20:16	1.00	0.905	1.00	1.75	30.00	0.026	0.444	0.06
36	21:50		0.975						
37	22:10	1.00	0.990	1.00	1.15	15.00	0.124	1.625	0.08
38	22:06	1.00	0.987	1.00	0.07	15.00	0.003	0.600	0.00
39	23:28	1.00	1.048	1.00	16.10	15.00	2.067	1.926	1.07
40	24:36	1.00	1.098	1.00	0.23	15.00	0.042	2.719	0.02
41	26:30	1.00	1.183	1.00	2.46	15.00	0.215	1.312	0.16
42	30:22		1.356						
43	30:38	1.00	1.368	1.00	4.15	15.00	0.388	1.404	0.28
44	31:34	1.00	1.409	1.00	2.81	15.00	0.256	1.366	0.19

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S38MS

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S38MS

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33S38MS

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	11	
74-83-9	Bromomethane	10	
75-01-4	Vinyl Chloride	11	
75-00-3	Chloroethane	11	
75-09-2	Methylene Chloride	10	B
67-64-1	Acetone	14	J
107-02-8	Acrolein	75	U
75-15-0	Carbon Disulfide	12	
107-13-1	Acrylonitrile	50	U
75-35-4	1,1-Dichloroethene	1	U
75-35-3	1,1-Dichloroethane	9	
540-59-0	1,2-Dichloroethene (total)	18	
67-66-3	Chloroform	8	
107-06-2	1,2-Dichloroethane	8	
78-93-3	2-Butanone	8	J
71-55-6	1,1,1-Trichloroethane	9	
56-23-5	Carbon Tetrachloride	10	
108-05-4	Vinyl acetate	71	
75-27-4	Bromodichloromethane	9	
78-87-5	1,2-Dichloropropane	9	
10061-01-5	cis-1,3-Dichloropropene	15	
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	9	
79-00-5	1,1,2-Trichloroethane	8	
71-43-2	Benzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	3	
110-75-8	2-Chloroethylvinylether	16	
75-25-2	Bromoform	8	
108-10-1	4-Methyl-2-Pentanone	10	
591-78-6	2-Hexanone	9	
127-18-4	Tetrachloroethene	9	
79-34-5	1,1,2,2-Tetrachloroethane	9	
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	9	
100-42-5	Styrene	10	
108-38-3	M-Xylene	8	
95-47-6	O-&/or P-Xylene	21	

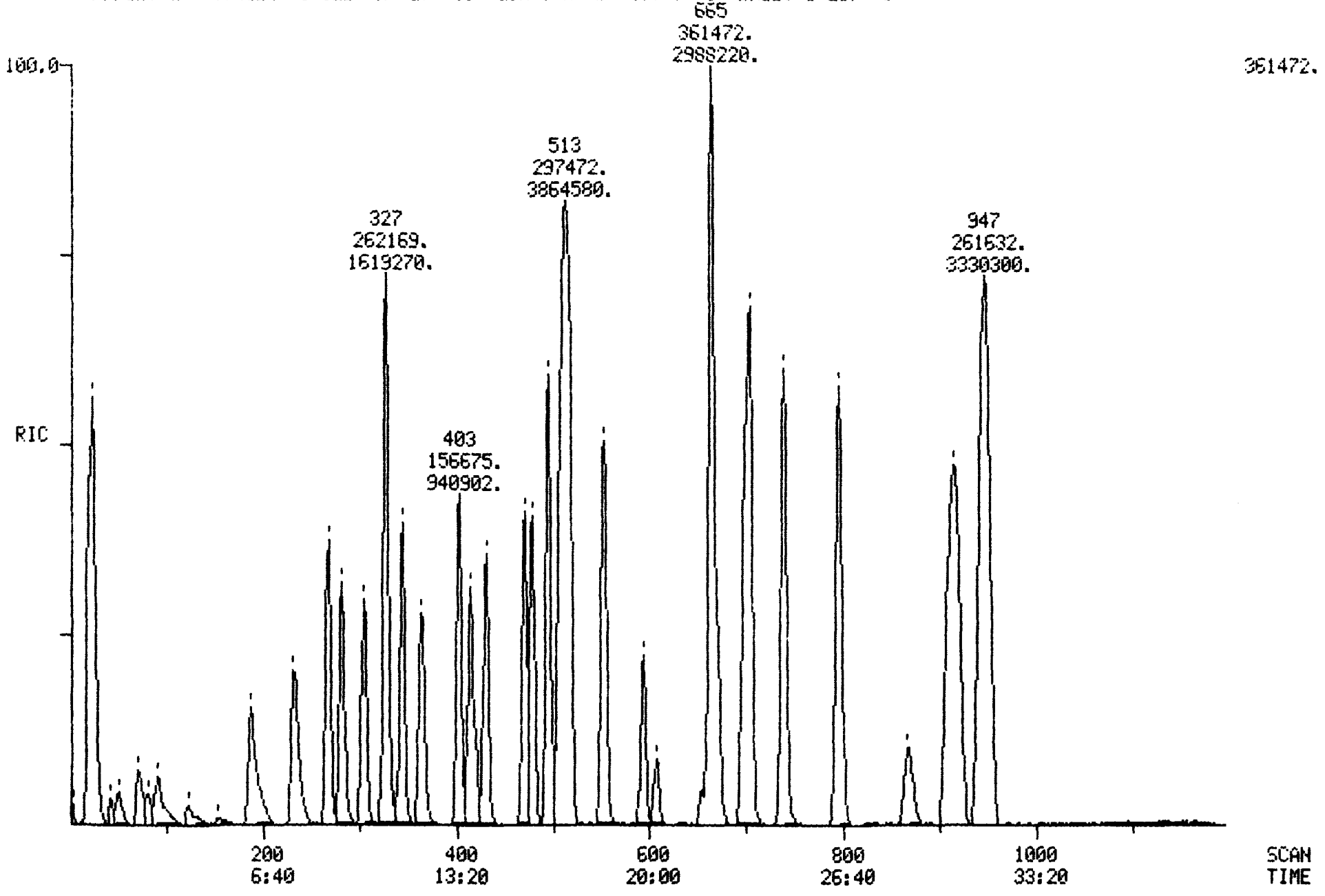
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 17:17:03
DATA FILE: 93ZE33S38MS
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	4	80	6	6	1	60	VP_IS/VP_SURR
3	3	1	80	12	9	4	82	VP_IS/VP_CMPDS1
3	3	1	80	12	12	1	71	VP_IS/VP_CMPDS2
3	3	1	80	12	11	1	49	VP_IS/VP_CMPDS3
3	3	1	80	14	12	1	87	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 38 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	282	282	.	1	971	.	128	282	.	1
2	VP	2	553	552	553	1	4	993	.	77	553	.	1
3	VP	3	673	672	672	.	1	992	.	55	672	.	1
4	VP	4	363	362	363	1	1	984	.	65	363	.	1
5	VP	5	507	506	506	.	1	971	.	84	507	1	1
6	VP	6	699	699	699	.	1	994	.	98	699	.	1
7	VP	7	-53	52	51	-1	2	989	.	50	51	.	1
8	VP	8	-82	81	81	.	2	999	.	94	81	.	1
9	VP	9	-91	90	91	1	1	986	.	62	91	.	1
10	VP	10	-124	123	123	.	1	997	.	64	123	.	1
11	VP	11	-187	186	187	1	1	980	.	84	187	.	1
12	VP	12	-205	204	.	.	.	.	.	43	204	.	1
13	VP	13	-212	211	.	.	.	.	.	56	.	.	.
14	VP	14	234	233	232	-1	1	1000	.	76	232	.	1
15	VP	15	-229	228	.	.	.	.	.	53	.	.	.
16	VP	16	-267	267	268	1	1	964	.	96	268	.	1
17	VP	17	-304	304	305	1	1	959	.	63	305	.	1
18	VP	18	-328	328	327	-1	1	968	.	96	327	.	1
19	VP	19	-344	344	344	.	1	950	.	83	344	.	1
20	VP	20	-366	366	365	-1	1	953	.	62	366	1	1
21	VP	21	-364	364	364	.	1	1000	.	72	363	-1	1
22	VP	22	-403	403	403	.	1	947	.	97	403	.	1
23	VP	23	-403	403	403	.	1	976	.	117	403	.	1
24	VP	24	-420	420	420	.	1	980	.	43	420	.	1
25	VP	25	-431	431	431	.	1	967	.	83	431	.	1
26	VP	26	-471	471	471	.	1	983	.	63	471	.	1
27	VP	27	-479	479	479	.	1	972	.	75	479	.	1
28	VP	28	-497	497	496	-1	1	951	.	130	496	.	1
29	VP	29	-514	514	514	.	1	958	.	129	514	.	1
30	VP	30	-517	517	517	.	1	995	.	97	517	.	1
31	VP	31	-511	511	511	.	1	988	.	78	511	.	1
32	VP	32	-517	517	517	.	1	926	.	75	517	.	1
33	VP	33	-554	554	.	.	.	.	.	63	553	.	1
34	VP	34	-594	594	594	.	1	947	.	173	594	.	1
35	VP	35	-610	610	608	-2	1	989	.	43	608	.	1
36	VP	36	-654	654	.	.	.	.	.	43	654	.	1
37	VP	37	-664	664	.	.	.	.	.	164	665	.	1
38	VP	38	-663	663	664	1	1	827	.	83	663	-1	1
39	VP	39	-704	704	704	.	1	996	.	92	704	.	1
40	VP	40	-738	738	738	.	1	986	.	112	738	.	1
41	VP	41	-795	795	795	.	1	993	.	106	795	.	1
42	VP	42	-910	911	911	.	1	993	.	104	911	.	1
43	VP	44	-918	919	918	-1	1	993	.	106	919	1	1
44	VP	45	-945	946	947	1	1	994	.	106	947	.	1

RIC DATA: 93ZE33S38MS #1 SCANS 1 TO 1194
05/26/93 16:36:00 CALI: 93ZE33S38MS #3
SAMPLE: CLP,1187,,93ZE33S38MS,L,W,,V,MS
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S38MS

Data: 93ZE33S38MS.TI
05/26/93 16:36:00
Sample: CLP,1187,,93ZE33S38MS,L,W,,V,MS
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	282	9:24	1	1.000	A BB	115844.	10.000	UG/L	2.05
2	77	553	18:26	2	1.000	A BB	322292.	10.000	UG/L	2.05
3	55	672	22:24	3	1.000	A BB	195994.	10.000	UG/L	2.05
4	65	363	12:06	1	1.287	A BB	122201.	9.454	UG/L	1.94
5	84	507	16:54	2	0.917	A VB	420531.	10.528	UG/L	2.16
6	98	699	23:18	3	1.040	A BB	407890.	10.238	UG/L	2.10
7	50	51	1:42	1	0.181	A VB	72561.	11.354	UG/L	2.33
8	94	81	2:42	1	0.287	A VB	43713.	9.961	UG/L	2.05
9	62	91	3:02	1	0.323	A BB	97690.	11.011	UG/L	2.26
10	64	123	4:06	1	0.436	A BB	49308.	11.063	UG/L	2.27
11	84	187	6:14	1	0.663	A BB	119700.	9.788	UG/L	2.01
12	43	204	6:48	1	0.723	A BB	16952.	14.009	UG/L	2.88
13	NOT FOUND									
14	76	232	7:44	1	0.823	A BB	460047.	11.820	UG/L	2.43
15	NOT FOUND									
16	96	268	8:56	1	0.950	A BB	171464.	9.333	UG/L	1.92
17	63	305	10:10	1	1.082	A BB	313299.	8.706	UG/L	1.79
18	96	327	10:54	1	1.160	A BB	360536.	18.068	UG/L	3.71
19	83	344	11:28	1	1.220	A BB	315485.	8.305	UG/L	1.71
20	62	366	12:12	1	1.298	A BB	134545.	8.206	UG/L	1.69
21	72	363	12:06	2	0.656	A BB	4570.	8.279	UG/L	1.70
22	97	403	13:26	2	0.729	A BB	291087.	9.360	UG/L	1.92
23	117	403	13:26	2	0.729	A BV	47092.	9.760	UG/L	2.01
24	43	420	14:00	2	0.759	A BB	183271.	70.773	UG/L	14.54
25	83	431	14:22	2	0.779	A BB	257957.	8.570	UG/L	1.76
26	63	471	15:42	2	0.852	A BB	189019.	8.526	UG/L	1.75
27	75	479	15:58	2	0.866	A BB	268357.	14.845	UG/L	3.05
28	130	496	16:32	2	0.897	A BB	267429.	8.198	UG/L	1.68
29	129	514	17:08	2	0.929	A BB	220842.	8.653	UG/L	1.78
30	97	517	17:14	2	0.935	A BB	115643.	8.167	UG/L	1.68
31	78	511	17:02	2	0.924	A BB	518717.	9.464	UG/L	1.94
32	75	517	17:14	2	0.935	A BB	162189.	3.444	UG/L	0.71
33	63	553	18:26	2	1.000	A BB	3833.	15.579	UG/L	3.20
34	173	594	19:48	2	1.074	A BB	154377.	8.317	UG/L	1.71
35	43	608	20:16	3	0.905	A BB	85907.	9.868	UG/L	2.03
36	43	654	21:48	3	0.973	A BB	51634.	8.894	UG/L	1.83
37	164	665	22:10	3	0.990	A BB	297807.	9.351	UG/L	1.92
38	83	663	22:06	3	0.987	A BB	107215.	9.118	UG/L	1.87
39	92	704	23:28	3	1.048	A BB	346056.	9.166	UG/L	1.88
40	112	738	24:36	3	1.098	A BB	488158.	9.160	UG/L	1.88
41	106	795	26:30	3	1.183	A BB	224401.	8.727	UG/L	1.79
42	104	911	30:22	3	1.356	A BB	419277.	9.749	UG/L	2.00
43	106	919	30:38	3	1.368	A BB	227352.	8.264	UG/L	1.70
44	106	947	31:34	3	1.409	A BB	553996.	20.694	UG/L	4.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	9.45	10.00	1.055	1.116	0.95
5	16:54	1.00	0.917	1.00	10.53	10.00	1.305	1.239	1.05
6	23:18	1.00	1.040	1.00	10.24	10.00	2.081	2.033	1.02
7	1:46	0.96	0.187	0.97	11.35	30.00	0.209	0.552	0.38
8	2:44	0.99	0.290	0.99	9.96	30.00	0.126	0.379	0.33
9	3:04	0.99	0.325	0.99	11.01	30.00	0.281	0.766	0.37
10	4:08	0.99	0.438	1.00	11.06	30.00	0.142	0.385	0.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	0.99	0.664	1.00	9.79	15.00	0.689	1.056	0.65
12	6:50	1.00	0.724	1.00	14.01	75.00	0.020	0.104	0.19
13	7:04		0.749						
14	7:46	1.00	0.823	1.00	11.82	15.00	2.648	3.360	0.79
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	9.33	15.00	0.987	1.586	0.62
17	10:10	1.00	1.078	1.00	8.71	15.00	1.803	3.107	0.58
18	10:56	1.00	1.159	1.00	18.07	15.00	2.075	1.722	1.20
19	11:28	1.00	1.216	1.00	8.31	15.00	1.816	3.279	0.55
20	12:12	1.00	1.293	1.00	8.21	15.00	0.774	1.415	0.55
21	12:08	1.00	0.658	1.00	8.28	75.00	0.002	0.017	0.11
22	13:26	1.00	0.729	1.00	9.36	15.00	0.602	0.965	0.62
23	13:26	1.00	0.729	1.00	9.76	15.00	0.097	0.150	0.65
24	14:02	1.00	0.761	1.00	70.77	30.00	0.190	0.080	2.36
25	14:22	1.00	0.779	1.00	8.57	15.00	0.534	0.934	0.57
26	15:42	1.00	0.852	1.00	8.53	15.00	0.391	0.688	0.57
27	15:58	1.00	0.866	1.00	14.84	24.30	0.343	0.561	0.61
28	16:32	1.00	0.897	1.00	8.20	15.00	0.553	1.012	0.55
29	17:08	1.00	0.929	1.00	8.65	15.00	0.457	0.792	0.58
30	17:14	1.00	0.935	1.00	8.17	15.00	0.239	0.439	0.54
31	17:02	1.00	0.924	1.00	9.46	15.00	1.073	1.701	0.63
32	17:14	1.00	0.935	1.00	3.44	5.70	0.883	1.461	0.60
33	18:26	1.00	1.000	1.00	15.58	15.00	0.008	0.008	1.04
34	19:48	1.00	1.074	1.00	8.32	15.00	0.319	0.576	0.55
35	20:16	1.00	0.905	1.00	9.87	30.00	0.146	0.444	0.33
36	21:50	1.00	0.975	1.00	8.89	30.00	0.088	0.296	0.30
37	22:10	1.00	0.990	1.00	9.35	15.00	1.013	1.625	0.62
38	22:06	1.00	0.987	1.00	9.12	15.00	0.365	0.600	0.61
39	23:28	1.00	1.048	1.00	9.17	15.00	1.177	1.926	0.61
40	24:36	1.00	1.098	1.00	9.16	15.00	1.660	2.719	0.61
41	26:30	1.00	1.183	1.00	8.73	15.00	0.763	1.312	0.58
42	30:22	1.00	1.356	1.00	9.75	15.00	1.426	2.194	0.65
43	30:38	1.00	1.368	1.00	8.26	15.00	0.773	1.404	0.55
44	31:34	1.00	1.409	1.00	20.69	15.00	1.884	1.366	1.38

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S38MSD

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S38MSD

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 3ZE33S38MSD

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	16	
74-83-9	Bromomethane	13	
75-01-4	Vinyl Chloride	12	
75-00-3	Chloroethane	14	
75-09-2	Methylene Chloride	13	B
67-64-1	Acetone	20	J
107-02-8	Acrolein	4	J
75-15-0	Carbon Disulfide	15	
107-13-1	Acrylonitrile	50	U
75-35-4	1,1-Dichloroethene	1	U
75-35-3	1,1-Dichloroethane	12	
540-59-0	1,2-Dichloroethene (total)	24	
67-66-3	Chloroform	11	
107-06-2	1,2-Dichloroethane	11	
78-93-3	2-Butanone	12	J
71-55-6	1,1,1-Trichloroethane	13	
56-23-5	Carbon Tetrachloride	13	
108-05-4	Vinyl acetate	98	
75-27-4	Bromodichloromethane	12	
78-87-5	1,2-Dichloropropane	12	
10061-01-5	cis-1,3-Dichloropropene	21	
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	12	
79-00-5	1,1,2-Trichloroethane	11	
71-43-2	Benzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	5	
110-75-8	2-Chloroethylvinylether	16	
75-25-2	Bromoform	11	
108-10-1	4-Methyl-2-Pentanone	13	
591-78-6	2-Hexanone	14	
127-18-4	Tetrachloroethene	13	
79-34-5	1,1,2,2-Tetrachloroethane	12	
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	12	
100-42-5	Styrene	13	
108-38-3	M-Xylene	11	
95-47-6	O-&/or P-Xylene	28	

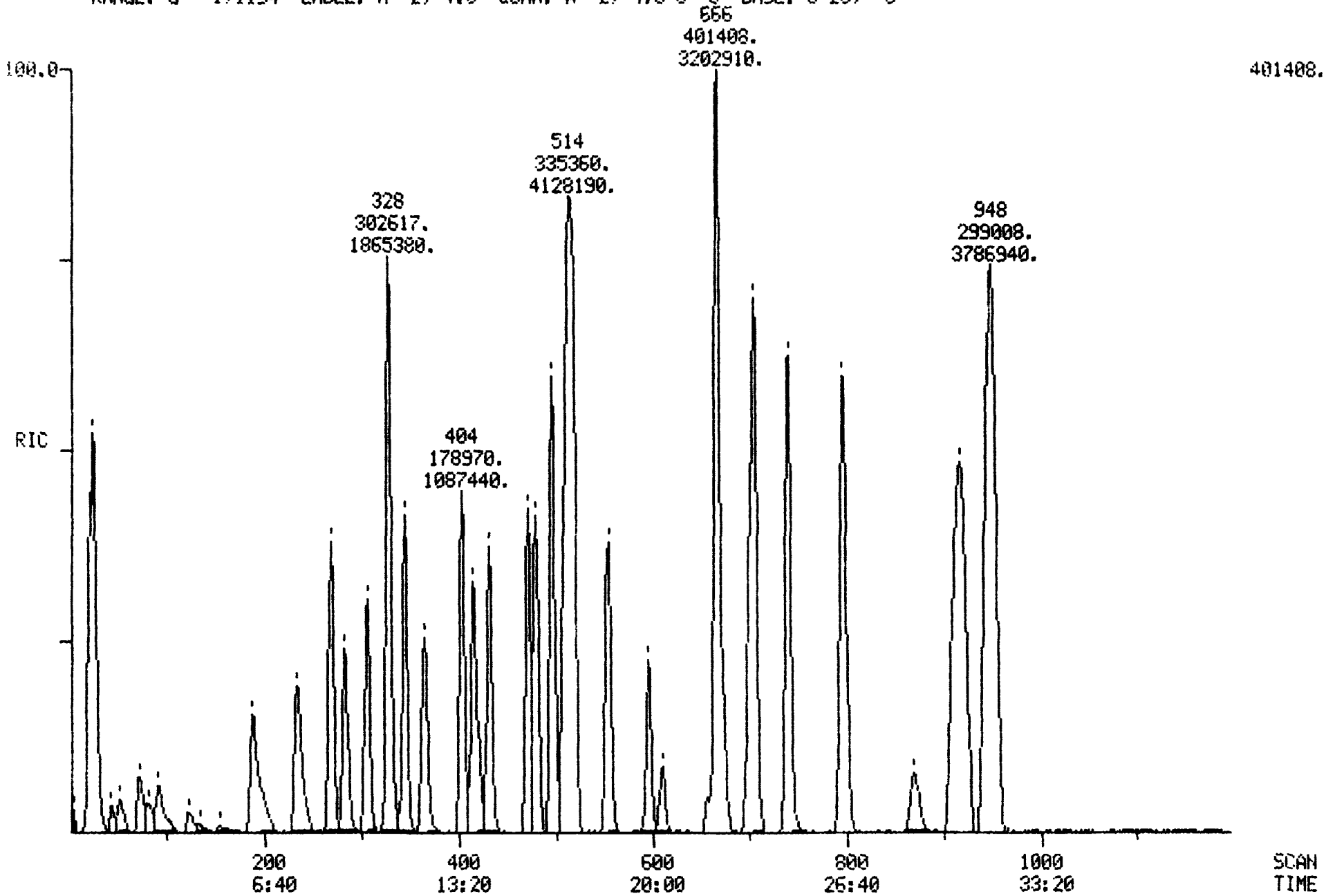
PROCEDURE: TCA DIAGNOSTIC REPORT 5/25/93 18:05:09
DATA FILE: 93ZE33S38MSD
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	3	0	6	6	1	46	VP_IS/VP_SURR
3	3	1	0	12	9	4	34	VP_IS/VP_CMPDS1
3	3	1	0	12	12	1	30	VP_IS/VP_CMPDS2
3	3	1	0	12	11	1	32	VP_IS/VP_CMPDS3
3	3	1	0	14	12	1	44	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 38 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	282	283	283	.	1	972	.	128	283	.	1
2	VP	2	553	554	554	.	3	988	.	77	554	.	1
3	VP	3	672	673	673	.	1	996	.	55	673	.	1
4	VP	4	363	364	364	.	1	978	.	65	364	.	1
5	VP	5	506	507	508	1	1	978	.	84	508	.	1
6	VP	6	699	700	700	.	1	1000	.	98	699	-1	1
7	VP	7	51	52	52	.	2	987	.	50	52	.	1
8	VP	8	81	82	81	-1	2	999	.	94	81	.	1
9	VP	9	91	92	92	.	1	990	.	62	92	.	1
10	VP	10	123	124	124	.	1	1000	.	64	124	.	1
11	VP	11	187	188	188	.	1	977	.	84	188	.	1
12	VP	12	-204	205	.	.	.	.	.	43	205	.	1
13	VP	13	-211	212	.	.	.	.	.	56	210	.	1
14	VP	14	232	233	233	.	1	996	.	76	233	.	1
15	VP	15	-228	229	.	.	.	.	.	53	.	.	.
16	VP	16	268	269	269	.	1	967	.	96	269	.	1
17	VP	17	305	306	306	.	1	964	.	63	306	.	1
18	VP	18	327	328	328	.	1	965	.	96	328	.	1
19	VP	19	344	345	345	.	1	952	.	83	345	.	1
20	VP	20	365	366	366	.	1	953	.	62	367	1	1
21	VP	21	364	365	364	-1	1	996	.	72	364	.	1
22	VP	22	403	404	404	.	1	947	.	97	404	.	1
23	VP	23	403	404	404	.	1	974	.	117	404	.	1
24	VP	24	420	421	421	.	1	984	.	43	421	.	1
25	VP	25	431	432	432	.	1	965	.	83	432	.	1
26	VP	26	471	472	472	.	1	981	.	63	472	.	1
27	VP	27	479	480	480	.	1	972	.	75	480	.	1
28	VP	28	496	497	497	.	1	953	.	130	497	.	1
29	VP	29	514	515	515	.	1	965	.	129	515	.	1
30	VP	30	517	518	518	.	1	998	.	97	518	.	1
31	VP	31	511	512	512	.	1	987	.	78	512	.	1
32	VP	32	517	518	517	-1	1	939	.	75	518	1	1
33	VP	33	-554	555	.	.	.	.	.	63	553	.	1
34	VP	34	594	595	595	.	1	949	.	173	595	.	1
35	VP	35	608	609	609	.	1	994	.	43	609	.	1
36	VP	36	-654	655	.	.	.	.	.	43	656	.	1
37	VP	37	-664	665	.	.	.	.	.	164	666	.	1
38	VP	38	664	665	665	.	1	831	.	83	664	-1	1
39	VP	39	704	705	705	.	1	998	.	92	705	.	1
40	VP	40	738	739	740	1	1	984	.	112	739	-1	1
41	VP	41	795	796	797	1	1	995	.	106	796	-1	1
42	VP	42	911	912	912	.	1	995	.	104	912	.	1
43	VP	44	918	919	920	1	1	994	.	106	920	.	1
44	VP	45	947	948	948	.	1	999	.	106	948	.	1

RIC DATA: 93ZE33538MSD #1 SCANS 1 TO 1194
05/26/93 17:23:00 CALI: 93ZE33538MSD #3
SAMPLE: CLP,1187,,93ZE33538MSD,L,W,,V,MSD
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S38MSD

Data: 93ZE33S38MSD.TI
05/26/93 17:23:00
Sample: CLP,1187,,93ZE33S38MSD,L,W,,V,MSD
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	283	9:26	1	1.000	A BB	98239.	10.000	UG/L	1.57
2	77	554	18:28	2	1.000	A BB	270338.	10.000	UG/L	1.57
3	55	673	22:26	3	1.000	A BB	163427.	10.000	UG/L	1.57
4	65	364	12:08	1	1.286	A BB	104770.	9.558	UG/L	1.50
5	84	508	16:56	2	0.917	A VB	346227.	10.333	UG/L	1.62
6	98	699	23:18	3	1.039	A BB	346158.	10.420	UG/L	1.63
7	50	52	1:44	1	0.184	A VB	86294.	15.923	UG/L	2.50
8	94	81	2:42	1	0.286	A VB	47254.	12.697	UG/L	1.99
9	62	92	3:04	1	0.325	A BV	92586.	12.305	UG/L	1.93
10	64	124	4:08	1	0.438	A BB	51930.	13.740	UG/L	2.15
11	84	188	6:16	1	0.664	A BB	131399.	12.670	UG/L	1.99
12	43	205	6:50	1	0.724	A BB	20672.	20.145	UG/L	3.16
13	56	210	7:00	1	0.742	A BB	65.	4.275	UG/L	0.67
14	76	233	7:46	1	0.823	A BB	504832.	15.295	UG/L	2.40
15	NOT	FOUND								
16	96	269	8:58	1	0.951	A BB	193250.	12.404	UG/L	1.94
17	63	306	10:12	1	1.081	A BB	358087.	11.733	UG/L	1.84
18	96	328	10:56	1	1.159	A BB	410531.	24.261	UG/L	3.80
19	83	345	11:30	1	1.219	A BB	362984.	11.268	UG/L	1.77
20	62	367	12:14	1	1.297	A BB	152154.	10.943	UG/L	1.72
21	72	364	12:08	2	0.657	A BB	5501.	11.880	UG/L	1.86
22	97	404	13:28	2	0.729	A BB	329686.	12.638	UG/L	1.98
23	117	404	13:28	2	0.729	A BV	53558.	13.233	UG/L	2.07
24	43	421	14:02	2	0.760	A BB	212575.	97.866	UG/L	15.34
25	83	432	14:24	2	0.780	A BB	295627.	11.709	UG/L	1.84
26	63	472	15:44	2	0.852	A BB	214788.	11.551	UG/L	1.81
27	75	480	16:00	2	0.866	A BB	311257.	20.527	UG/L	3.22
28	130	497	16:34	2	0.897	A BB	300552.	10.984	UG/L	1.72
29	129	515	17:10	2	0.930	A BB	251901.	11.767	UG/L	1.84
30	97	518	17:16	2	0.935	A BB	134251.	11.303	UG/L	1.77
31	78	512	17:04	2	0.924	A BB	590025.	12.834	UG/L	2.01
32	75	518	17:16	2	0.935	A BB	181575.	4.597	UG/L	0.72
33	63	553	18:26	2	0.998	A BB	3266.	15.827	UG/L	2.48
34	173	595	19:50	2	1.074	A BB	177457.	11.398	UG/L	1.79
35	43	609	20:18	3	0.905	A BB	95408.	13.144	UG/L	2.06
36	43	656	21:52	3	0.975	A BB	66795.	13.798	UG/L	2.16
37	164	666	22:12	3	0.990	A BB	333178.	12.547	UG/L	1.97
38	83	664	22:08	3	0.987	A BB	121693.	12.411	UG/L	1.95
39	92	705	23:30	3	1.048	A BB	403439.	12.815	UG/L	2.01
40	112	739	24:38	3	1.098	A BB	556404.	12.521	UG/L	1.96
41	106	796	26:32	3	1.183	A BB	259364.	12.096	UG/L	1.90
42	104	912	30:24	3	1.355	A BB	475248.	13.253	UG/L	2.08
43	106	920	30:40	3	1.367	A BB	253834.	11.066	UG/L	1.73
44	106	948	31:36	3	1.409	A BB	627881.	28.128	UG/L	4.41

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	9.56	10.00	1.066	1.116	0.96
5	16:54	1.00	0.917	1.00	10.33	10.00	1.281	1.239	1.03
6	23:18	1.00	1.040	1.00	10.42	10.00	2.118	2.033	1.04
7	1:46	0.98	0.187	0.98	15.92	30.00	0.293	0.552	0.53
8	2:44	0.99	0.290	0.99	12.70	30.00	0.160	0.379	0.42
9	3:04	1.00	0.325	1.00	12.31	30.00	0.314	0.766	0.41
10	4:08	1.00	0.438	1.00	13.74	30.00	0.176	0.385	0.46

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.00	0.664	1.00	12.67	15.00	0.892	1.056	0.84
12	6:50	1.00	0.724	1.00	20.14	75.00	0.028	0.104	0.27
13	7:04	0.99	0.749	0.99	4.27	75.00	0.000	0.002	0.06
14	7:46	1.00	0.823	1.00	15.29	15.00	3.426	3.360	1.02
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	12.40	15.00	1.311	1.586	0.83
17	10:10	1.00	1.078	1.00	11.73	15.00	2.430	3.107	0.78
18	10:56	1.00	1.159	1.00	24.26	15.00	2.786	1.722	1.62
19	11:28	1.00	1.216	1.00	11.27	15.00	2.463	3.279	0.75
20	12:12	1.00	1.293	1.00	10.94	15.00	1.033	1.415	0.73
21	12:08	1.00	0.658	1.00	11.88	75.00	0.003	0.017	0.16
22	13:26	1.00	0.729	1.00	12.64	15.00	0.813	0.965	0.84
23	13:26	1.00	0.729	1.00	13.23	15.00	0.132	0.150	0.88
24	14:02	1.00	0.761	1.00	97.87	30.00	0.262	0.080	3.26
25	14:22	1.00	0.779	1.00	11.71	15.00	0.729	0.934	0.78
26	15:42	1.00	0.852	1.00	11.55	15.00	0.530	0.688	0.77
27	15:58	1.00	0.866	1.00	20.53	24.30	0.474	0.561	0.84
28	16:32	1.00	0.897	1.00	10.98	15.00	0.741	1.012	0.73
29	17:08	1.00	0.929	1.00	11.77	15.00	0.621	0.792	0.78
30	17:14	1.00	0.935	1.00	11.30	15.00	0.331	0.439	0.75
31	17:02	1.00	0.924	1.00	12.83	15.00	1.455	1.701	0.86
32	17:14	1.00	0.935	1.00	4.60	5.70	1.178	1.461	0.81
33	18:26	1.00	1.000	1.00	15.83	15.00	0.008	0.008	1.06
34	19:48	1.00	1.074	1.00	11.40	15.00	0.438	0.576	0.76
35	20:16	1.00	0.905	1.00	13.14	30.00	0.195	0.444	0.44
36	21:50	1.00	0.975	1.00	13.80	30.00	0.136	0.296	0.46
37	22:10	1.00	0.990	1.00	12.55	15.00	1.359	1.625	0.84
38	22:06	1.00	0.987	1.00	12.41	15.00	0.496	0.600	0.83
39	23:28	1.00	1.048	1.00	12.81	15.00	1.646	1.926	0.85
40	24:36	1.00	1.098	1.00	12.52	15.00	2.270	2.719	0.83
41	26:30	1.00	1.183	1.00	12.10	15.00	1.058	1.312	0.81
42	30:22	1.00	1.356	1.00	13.25	15.00	1.939	2.194	0.88
43	30:38	1.00	1.368	1.00	11.07	15.00	1.035	1.404	0.74
44	31:34	1.00	1.409	1.00	28.13	15.00	2.561	1.366	1.88

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S38MSR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S38MSR

Sample wt/vol: 20.0 (g/mL) ML Lab File ID: 3ZE33S38MSR

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 1

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	8	
74-83-9	Bromomethane	6	
75-01-4	Vinyl Chloride	8	
75-00-3	Chloroethane	8	
75-09-2	Methylene Chloride	8	B
67-64-1	Acetone	11	J
107-02-8	Acrolein	75	U
75-15-0	Carbon Disulfide	8	
107-13-1	Acrylonitrile	50	U
75-35-4	1,1-Dichloroethene	1	U
75-35-3	1,1-Dichloroethane	6	
540-59-0	1,2-Dichloroethene (total)	13	
67-66-3	Chloroform	6	
107-06-2	1,2-Dichloroethane	6	
78-93-3	2-Butanone	7	J
71-55-6	1,1,1-Trichloroethane	7	
56-23-5	Carbon Tetrachloride	7	
108-05-4	Vinyl acetate	53	
75-27-4	Bromodichloromethane	6	
78-87-5	1,2-Dichloropropane	6	
10061-01-5	cis-1,3-Dichloropropene	11	
79-01-6	Trichloroethene	1	U
124-48-1	Dibromochloromethane	6	
79-00-5	1,1,2-Trichloroethane	6	
71-43-2	Benzene	1	U
10061-02-6	Trans-1,3-Dichloropropene	3	
110-75-8	2-Chloroethylvinylether	16	
75-25-2	Bromoform	6	
108-10-1	4-Methyl-2-Pentanone	7	
591-78-6	2-Hexanone	7	
127-18-4	Tetrachloroethene	6	
79-34-5	1,1,2,2-Tetrachloroethane	7	
108-88-3	Toluene	1	U
108-90-7	Chlorobenzene	1	U
100-41-4	Ethylbenzene	6	
100-42-5	Styrene	7	
108-38-3	M-Xylene	6	
95-47-6	O-&/or P-Xylene	14	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S38MSR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S38MSR

Sample wt/vol: _____ (g/mL) ML Lab File ID: 3ZE33S38MSR

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 1

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 18:52:49
DATA FILE: 93ZE33S38MSR
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

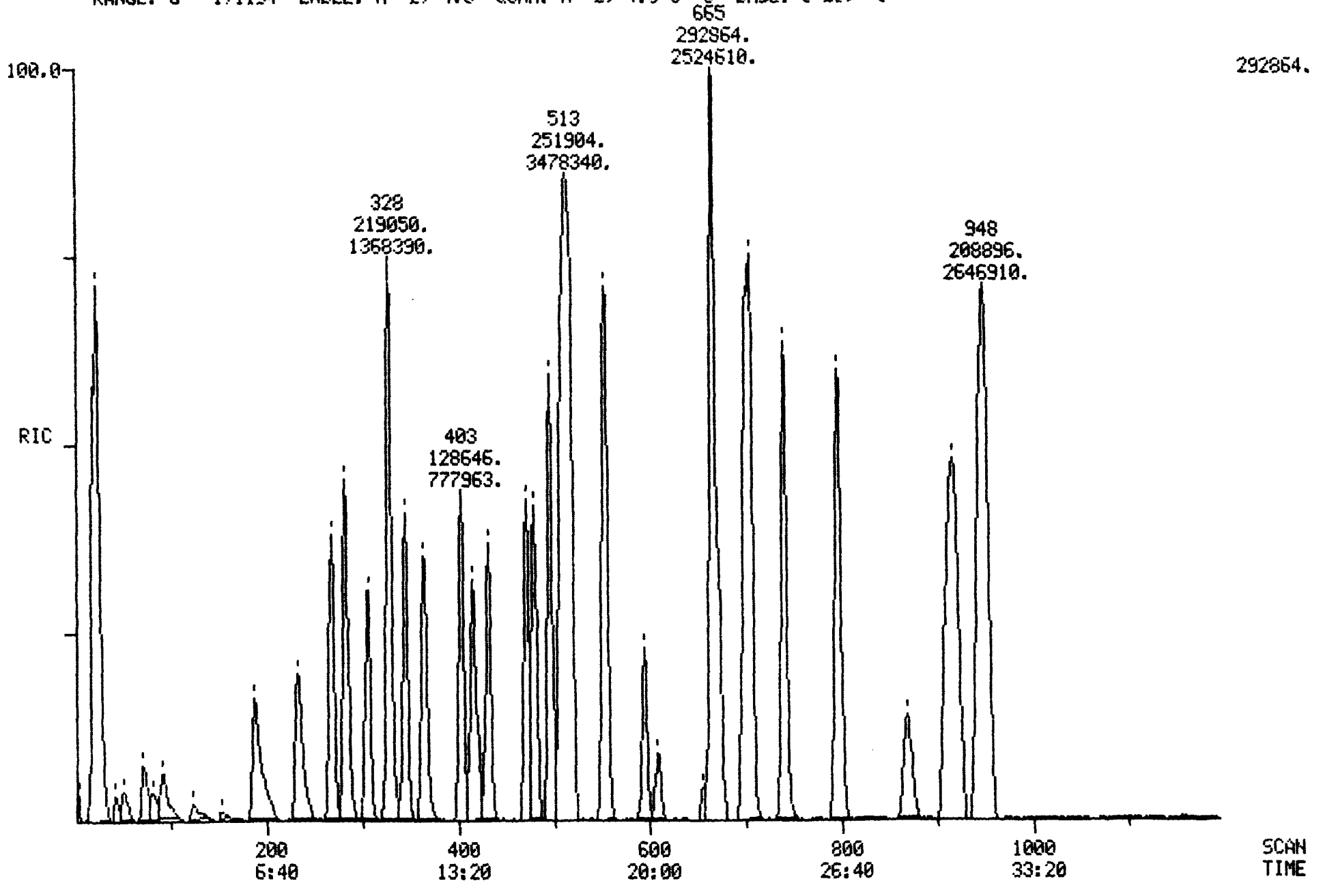
< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	80	6	6	1	57	VP_IS/VP_SURR
3	3	1	80	12	9	4	53	VP_IS/VP_CMPDS1
3	3	1	80	12	12	1	50	VP_IS/VP_CMPDS2
3	3	1	80	12	11	1	55	VP_IS/VP_CMPDS3
3	3	1	80	14	12	1	63	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 38 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	283	283	.	1	974	.	128	283	.	1
2	VP	2	554	554	553	-1	1	991	.	77	553	.	1
3	VP	3	673	673	673	.	1	988	.	55	673	.	1
4	VP	4	364	363	363	.	1	986	.	65	363	.	1
5	VP	5	508	507	507	.	1	972	.	84	507	.	1
6	VP	6	700	699	699	.	1	997	.	98	699	.	1
7	VP	7	52	52	52	.	2	986	.	50	51	-1	1
8	VP	8	81	81	81	.	2	997	.	94	81	.	1
9	VP	9	92	92	91	-1	1	989	.	62	92	1	1
10	VP	10	124	124	123	-1	1	998	.	64	124	1	1
11	VP	11	188	188	188	.	1	982	.	84	188	.	1
12	VP	12	-205	205	.	.	.	.	.	43	206	.	1
13	VP	13	-212	212	.	.	.	.	.	56	.	.	.
14	VP	14	233	233	233	.	1	1000	.	76	233	.	1
15	VP	15	-229	229	.	.	.	.	.	53	.	.	.
16	VP	16	269	269	269	.	1	965	.	96	268	-1	1
17	VP	17	306	306	306	.	1	960	.	63	306	.	1
18	VP	18	328	328	328	.	1	964	.	96	328	.	1
19	VP	19	345	345	344	-1	1	953	.	83	344	.	1
20	VP	20	366	366	366	.	1	950	.	62	366	.	1
21	VP	21	364	364	364	.	1	992	.	72	364	.	1
22	VP	22	404	404	403	-1	1	950	.	97	403	.	1
23	VP	23	404	404	403	-1	1	978	.	117	403	.	1
24	VP	24	421	421	421	.	1	980	.	43	421	.	1
25	VP	25	432	431	431	.	1	968	.	83	431	.	1
26	VP	26	472	471	471	.	1	982	.	63	471	.	1
27	VP	27	480	479	479	.	1	968	.	75	479	.	1
28	VP	28	497	496	496	.	1	949	.	130	496	.	1
29	VP	29	515	514	514	.	1	949	.	129	514	.	1
30	VP	30	518	517	518	1	1	997	.	97	518	.	1
31	VP	31	512	511	512	1	1	989	.	78	512	.	1
32	VP	32	517	516	517	1	1	931	.	75	518	1	1
33	VP	33	-555	554	.	.	.	.	.	63	553	.	1
34	VP	34	595	595	595	.	1	950	.	173	595	.	1
35	VP	35	609	609	608	-1	1	992	.	43	608	.	1
36	VP	36	-655	655	.	.	.	.	.	43	655	.	1
37	VP	37	-665	665	.	.	.	.	.	164	666	.	1
38	VP	38	665	665	665	.	1	827	.	83	664	-1	1
39	VP	39	705	705	705	.	1	997	.	92	705	.	1
40	VP	40	740	740	739	-1	1	965	.	112	739	.	1
41	VP	41	797	797	796	-1	1	995	.	106	796	.	1
42	VP	42	912	912	913	1	1	993	.	104	912	-1	1
43	VP	44	920	920	920	.	1	997	.	106	920	.	1
44	VP	45	948	948	948	.	1	994	.	106	948	.	1

RIC
05/26/93 18:11:00
SAMPLE: CLP,1187,,93ZE33S38MSR,L,W,,V,MS
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3

DATA: 93ZE33S38MSR #1 SCANS 1 TO 1194
CALI: 93ZE33S38MSR #3



Quantitation Report File: 93ZE33S38MSR

Data: 93ZE33S38MSR.TI
05/26/93 18:11:00
Sample: CLP,1187,,93ZE33S38MSR,L,W,,V,MS
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	283	9:26	1	1.000	A BB	133251.	10.000	UG/L	2.67
2	77	553	18:26	2	1.000	A BB	369233.	10.000	UG/L	2.67
3	55	673	22:26	3	1.000	A BB	230831.	10.000	UG/L	2.67
4	65	363	12:06	1	1.283	A BB	139142.	9.359	UG/L	2.50
5	84	507	16:54	2	0.917	A VB	470302.	10.277	UG/L	2.74
6	98	699	23:18	3	1.039	A BB	472024.	10.060	UG/L	2.68
7	50	51	1:42	1	0.180	A VB	57554.	7.829	UG/L	2.09
8	94	81	2:42	1	0.286	A VB	29188.	5.782	UG/L	1.54
9	62	92	3:04	1	0.325	A BB	83404.	8.172	UG/L	2.18
10	64	124	4:08	1	0.438	A BB	40263.	7.854	UG/L	2.10
11	84	188	6:16	1	0.664	A BB	106533.	7.573	UG/L	2.02
12	43	206	6:52	1	0.728	A BV	14724.	10.578	UG/L	2.82
13	NOT	FOUND								
14	76	233	7:46	1	0.823	A BB	373202.	8.336	UG/L	2.22
15	NOT	FOUND								
16	96	268	8:56	1	0.947	A BB	142814.	6.758	UG/L	1.80
17	63	306	10:12	1	1.081	A BB	265552.	6.415	UG/L	1.71
18	96	328	10:56	1	1.159	A BB	303898.	13.240	UG/L	3.53
19	83	344	11:28	1	1.216	A BB	265667.	6.080	UG/L	1.62
20	62	366	12:12	1	1.293	A BB	113308.	6.008	UG/L	1.60
21	72	364	12:08	2	0.658	A BB	4553.	7.199	UG/L	1.92
22	97	403	13:26	2	0.729	A BB	239022.	6.708	UG/L	1.79
23	117	403	13:26	2	0.729	A BV	37851.	6.847	UG/L	1.83
24	43	421	14:02	2	0.761	A BB	157144.	52.969	UG/L	14.14
25	83	431	14:22	2	0.779	A BB	218451.	6.335	UG/L	1.69
26	63	471	15:42	2	0.852	A BB	157208.	6.190	UG/L	1.65
27	75	479	15:58	2	0.866	A BB	228100.	11.014	UG/L	2.94
28	130	496	16:32	2	0.897	A BB	217127.	5.810	UG/L	1.55
29	129	514	17:08	2	0.929	A BB	185160.	6.333	UG/L	1.69
30	97	518	17:16	2	0.937	A BB	100579.	6.200	UG/L	1.65
31	78	512	17:04	2	0.926	A BB	436430.	6.950	UG/L	1.85
32	75	518	17:16	2	0.937	A BB	136657.	2.533	UG/L	0.68
33	63	553	18:26	2	1.000	A BB	4586.	16.269	UG/L	4.34
34	173	595	19:50	2	1.076	A BB	132406.	6.227	UG/L	1.66
35	43	608	20:16	3	0.903	A BB	70739.	6.900	UG/L	1.84
36	43	655	21:50	3	0.973	A BB	46932.	6.864	UG/L	1.83
37	164	666	22:12	3	0.990	A BB	241804.	6.447	UG/L	1.72
38	83	664	22:08	3	0.987	A BB	92181.	6.656	UG/L	1.78
39	92	705	23:30	3	1.048	A BB	297548.	6.691	UG/L	1.79
40	112	739	24:38	3	1.098	A BB	408943.	6.515	UG/L	1.74
41	106	796	26:32	3	1.183	A BB	188398.	6.221	UG/L	1.66
42	104	912	30:24	3	1.355	A BB	342227.	6.757	UG/L	1.80
43	106	920	30:40	3	1.367	A BB	185239.	5.717	UG/L	1.53
44	106	948	31:36	3	1.409	A BB	444830.	14.109	UG/L	3.77

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	9.36	10.00	1.044	1.116	0.94
5	16:54	1.00	0.917	1.00	10.28	10.00	1.274	1.239	1.03
6	23:18	1.00	1.040	1.00	10.06	10.00	2.045	2.033	1.01
7	1:46	0.96	0.187	0.96	7.83	30.00	0.144	0.552	0.26
8	2:44	0.99	0.290	0.99	5.78	30.00	0.073	0.379	0.19
9	3:04	1.00	0.325	1.00	8.17	30.00	0.209	0.766	0.27
10	4:08	1.00	0.438	1.00	7.85	30.00	0.101	0.385	0.26

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.00	0.664	1.00	7.57	15.00	0.533	1.056	0.50
12	6:50	1.00	0.724	1.00	10.58	75.00	0.015	0.104	0.14
13	7:04		0.749						
14	7:46	1.00	0.823	1.00	8.34	15.00	1.867	3.360	0.56
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	6.76	15.00	0.715	1.586	0.45
17	10:10	1.00	1.078	1.00	6.41	15.00	1.329	3.107	0.43
18	10:56	1.00	1.159	1.00	13.24	15.00	1.520	1.722	0.88
19	11:28	1.00	1.216	1.00	6.08	15.00	1.329	3.279	0.41
20	12:12	1.00	1.293	1.00	6.01	15.00	0.567	1.415	0.40
21	12:08	1.00	0.658	1.00	7.20	75.00	0.002	0.017	0.10
22	13:26	1.00	0.729	1.00	6.71	15.00	0.432	0.965	0.45
23	13:26	1.00	0.729	1.00	6.85	15.00	0.068	0.150	0.46
24	14:02	1.00	0.761	1.00	52.97	30.00	0.142	0.080	1.77
25	14:22	1.00	0.779	1.00	6.33	15.00	0.394	0.934	0.42
26	15:42	1.00	0.852	1.00	6.19	15.00	0.284	0.688	0.41
27	15:58	1.00	0.866	1.00	11.01	24.30	0.254	0.561	0.45
28	16:32	1.00	0.897	1.00	5.81	15.00	0.392	1.012	0.39
29	17:08	1.00	0.929	1.00	6.33	15.00	0.334	0.792	0.42
30	17:14	1.00	0.935	1.00	6.20	15.00	0.182	0.439	0.41
31	17:02	1.00	0.924	1.00	6.95	15.00	0.788	1.701	0.46
32	17:14	1.00	0.935	1.00	2.53	5.70	0.649	1.461	0.44
33	18:26	1.00	1.000	1.00	16.27	15.00	0.008	0.008	1.08
34	19:48	1.00	1.074	1.00	6.23	15.00	0.239	0.576	0.42
35	20:16	1.00	0.905	1.00	6.90	30.00	0.102	0.444	0.23
36	21:50	1.00	0.975	1.00	6.86	30.00	0.068	0.296	0.23
37	22:10	1.00	0.990	1.00	6.45	15.00	0.698	1.625	0.43
38	22:06	1.00	0.987	1.00	6.66	15.00	0.266	0.600	0.44
39	23:28	1.00	1.048	1.00	6.69	15.00	0.859	1.926	0.45
40	24:36	1.00	1.098	1.00	6.52	15.00	1.181	2.719	0.43
41	26:30	1.00	1.183	1.00	6.22	15.00	0.544	1.312	0.41
42	30:22	1.00	1.356	1.00	6.76	15.00	0.988	2.194	0.45
43	30:38	1.00	1.368	1.00	5.72	15.00	0.535	1.404	0.38
44	31:34	1.00	1.409	1.00	14.11	15.00	1.285	1.366	0.94

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39MS

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39MS

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33S39MS

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	480	
74-83-9	Bromomethane	430	
75-01-4	Vinyl Chloride	390	
75-00-3	Chloroethane	420	
75-09-2	Methylene Chloride	470	B
67-64-1	Acetone	1900	J
107-02-8	Acrolein	340	J
75-15-0	Carbon Disulfide	390	
107-13-1	Acrylonitrile	2500	U
75-35-4	1,1-Dichloroethene	310	
75-35-3	1,1-Dichloroethane	360	
540-59-0	1,2-Dichloroethene (total)	890	
67-66-3	Chloroform	360	
107-06-2	1,2-Dichloroethane	440	
78-93-3	2-Butanone	4200	
71-55-6	1,1,1-Trichloroethane	350	
56-23-5	Carbon Tetrachloride	360	
108-05-4	Vinyl acetate	4300	
75-27-4	Bromodichloromethane	420	
78-87-5	1,2-Dichloropropane	410	
10061-01-5	cis-1,3-Dichloropropene	740	
79-01-6	Trichloroethene	360	
124-48-1	Dibromochloromethane	460	
79-00-5	1,1,2-Trichloroethane	470	
71-43-2	Benzene	430	
10061-02-6	Trans-1,3-Dichloropropene	180	
110-75-8	2-Chloroethylvinylether	810	
75-25-2	Bromoform	490	
108-10-1	4-Methyl-2-Pentanone	620	
591-78-6	2-Hexanone	500	
127-18-4	Tetrachloroethene	320	
79-34-5	1,1,2,2-Tetrachloroethane	460	
108-88-3	Toluene	940	
108-90-7	Chlorobenzene	370	
100-41-4	Ethylbenzene	410	
100-42-5	Styrene	400	
108-38-3	M-Xylene	460	
95-47-6	O-&/or P-Xylene	850	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S39MS

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39MS

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33S39MS

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 50

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

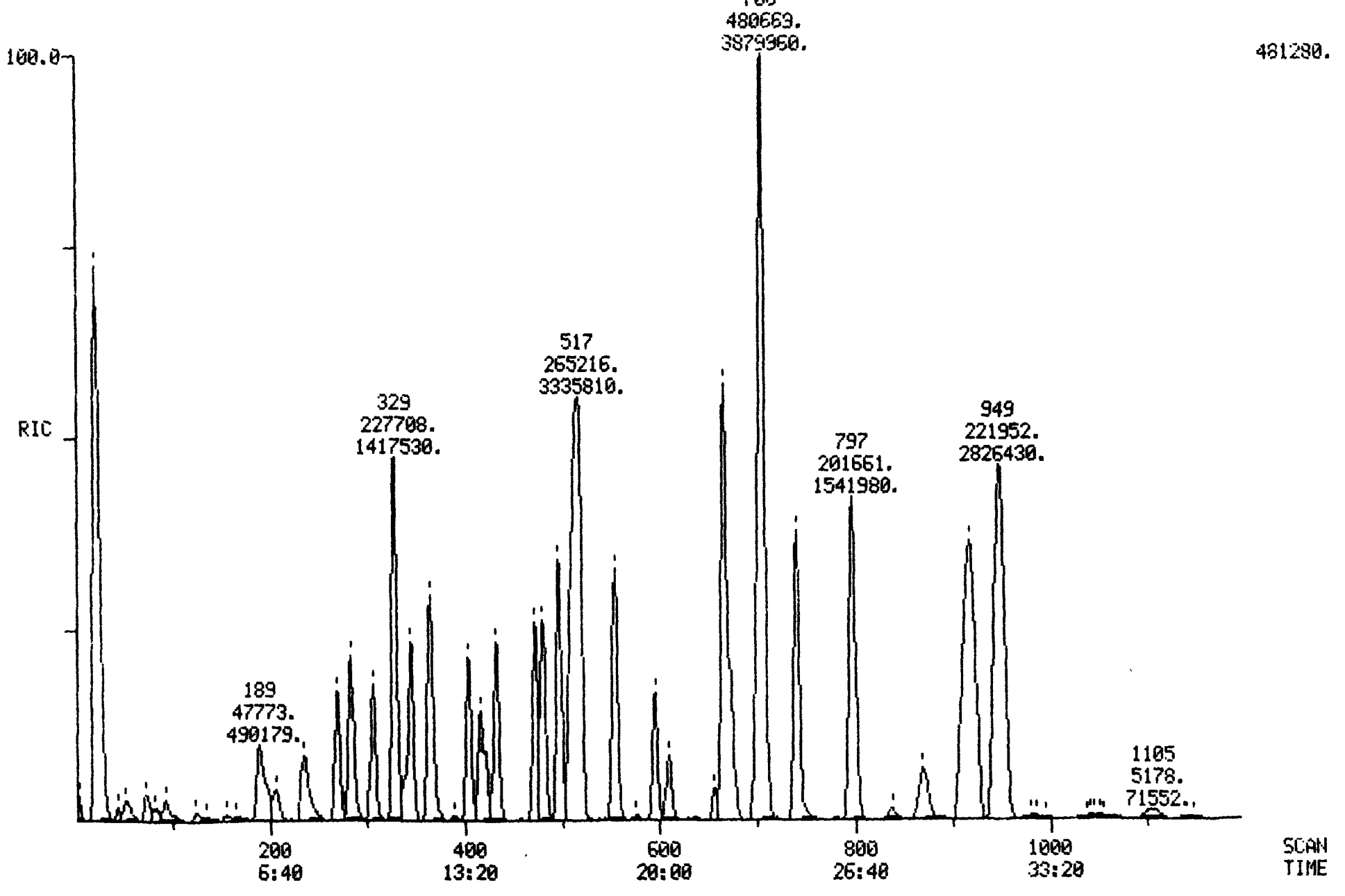
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 21:16:06
DATA FILE: 93ZE33S39MS
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	80	6	6	1	59	VP_IS/VP_SURR
3	3	1	80	12	10	4	71	VP_IS/VP_CMPDS1
3	3	1	80	12	12	1	41	VP_IS/VP_CMPDS2
3	3	1	80	12	11	1	42	VP_IS/VP_CMPDS3
3	3	1	80	14	13	2	110	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 40 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	284	284	.	1	977	.	128	284	.	1
2	VP	2	554	555	554	-1	2	991	.	77	554	.	1
3	VP	3	673	674	674	.	1	992	.	55	674	.	1
4	VP	4	364	364	364	.	1	986	.	65	364	.	1
5	VP	5	508	508	508	.	1	984	.	84	508	.	1
6	VP	6	699	700	700	.	1	995	.	98	700	.	1
7	VP	7	-52	53	52	-1	2	985	.	50	52	.	1
8	VP	8	-81	82	82	.	2	998	.	94	82	.	1
9	VP	9	-91	92	93	1	1	994	.	62	93	.	1
10	VP	10	-123	124	124	.	1	996	.	64	124	.	1
11	VP	11	189	190	189	-1	1	983	.	84	189	.	1
12	VP	12	-205	206	206	.	1	826	.	43	206	.	1
13	VP	13	-208	209	.	.	.	.	.	56	210	.	1
14	VP	14	235	236	235	-1	1	998	.	76	235	.	1
15	VP	15	-229	230	.	.	.	.	.	53	.	.	.
16	VP	16	-269	270	269	-1	1	964	.	96	269	.	1
17	VP	17	-306	307	307	.	1	964	.	63	307	.	1
18	VP	18	328	329	329	.	1	970	.	96	328	-1	1
19	VP	19	-344	345	345	.	1	955	.	83	345	.	1
20	VP	20	-366	367	367	.	1	958	.	62	367	.	1
21	VP	21	364	365	365	.	1	997	.	72	365	.	1
22	VP	22	-403	404	404	.	1	951	.	97	404	.	1
23	VP	23	-403	404	404	.	1	979	.	117	404	.	1
24	VP	24	-421	422	422	.	1	988	.	43	422	.	1
25	VP	25	-431	432	432	.	1	969	.	83	432	.	1
26	VP	26	471	472	472	.	1	981	.	63	472	.	1
27	VP	27	-479	480	480	.	1	973	.	75	480	.	1
28	VP	28	497	498	497	-1	1	953	.	130	497	.	1
29	VP	29	-514	515	515	.	1	961	.	129	515	.	1
30	VP	30	-518	519	519	.	1	994	.	97	519	.	1
31	VP	31	-512	513	513	.	1	990	.	78	513	.	1
32	VP	32	-517	518	518	.	1	935	.	75	519	1	1
33	VP	33	-555	556	.	.	.	.	.	63	555	.	1
34	VP	34	-596	596	595	-1	1	949	.	173	595	.	1
35	VP	35	609	609	609	.	1	993	.	43	609	.	1
36	VP	36	-656	656	.	.	.	.	.	43	656	.	1
37	VP	37	-666	666	667	1	1	902	.	164	667	.	1
38	VP	38	-666	666	666	.	1	863	.	83	665	-1	1
39	VP	39	705	705	706	1	1	997	.	92	706	.	1
40	VP	40	740	740	740	.	1	988	.	112	740	.	1
41	VP	41	797	797	797	.	2	995	.	106	797	.	1
42	VP	42	917	917	914	-3	1	994	.	104	913	-1	1
43	VP	44	920	920	921	1	1	996	.	106	921	.	1
44	VP	45	949	949	949	.	1	998	.	106	949	.	1

RIC DATA: 93ZE33539MS #1 SCANS 1 TO 1194
05/26/93 20:34:00 CALI: 93ZE33539MS #3
SAMPLE: CLP,1187,,93ZE33539MS,L,W,,V,MS 1:50
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39MS

Data: 93ZE33S39MS.TI
05/26/93 20:34:00
Sample: CLP,1187,,93ZE33S39MS,L,W,,V,MS 1:50
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	284	9:28	1	1.000	A BB	104118.	10.000	UG/L	1.70
2	77	554	18:28	2	1.000	A BB	278481.	10.000	UG/L	1.70
3	55	674	22:28	3	1.000	A BB	199008.	10.000	UG/L	1.70
4	65	364	12:08	1	1.282	A BB	116119.	9.995	UG/L	1.69
5	84	508	16:56	2	0.917	A VB	326782.	9.468	UG/L	1.61
6	98	700	23:20	3	1.039	A BB	329169.	8.137	UG/L	1.38
7	50	52	1:44	1	0.183	A VB	54571.	9.501	UG/L	1.61
8	94	82	2:44	1	0.289	A VB	33853.	8.583	UG/L	1.46
9	62	93	3:06	1	0.327	A BB	62576.	7.847	UG/L	1.33
10	64	124	4:08	1	0.437	A BB	33375.	8.332	UG/L	1.41
11	84	189	6:18	1	0.665	A BB	102982.	9.369	UG/L	1.59
12	43	206	6:52	1	0.725	A BB	42229.	38.829	UG/L	6.58
13	56	210	7:00	1	0.739	A BB	110.	6.826	UG/L	1.16
14	76	235	7:50	1	0.827	A BB	274894.	7.858	UG/L	1.33
15	NOT	FOUND								
16	96	269	8:58	1	0.947	A BB	102046.	6.180	UG/L	1.05
17	63	307	10:14	1	1.081	A BB	234673.	7.255	UG/L	1.23
18	96	328	10:56	1	1.155	A BB	317303.	17.693	UG/L	3.00
19	83	345	11:30	1	1.215	A BB	244768.	7.169	UG/L	1.22
20	62	367	12:14	1	1.292	A BB	128687.	8.733	UG/L	1.48
21	72	365	12:10	2	0.659	A BB	40475.	84.856	UG/L	14.39
22	97	404	13:28	2	0.729	A BB	187444.	6.975	UG/L	1.18
23	117	404	13:28	2	0.729	A BV	30243.	7.254	UG/L	1.23
24	43	422	14:04	2	0.762	A VB	194449.	86.903	UG/L	14.74
25	83	432	14:24	2	0.780	A BB	220766.	8.488	UG/L	1.44
26	63	472	15:44	2	0.852	A BB	155724.	8.130	UG/L	1.38
27	75	480	16:00	2	0.866	A BB	231390.	14.814	UG/L	2.51
28	130	497	16:34	2	0.897	A BB	200457.	7.112	UG/L	1.21
29	129	515	17:10	2	0.930	A BB	204685.	9.282	UG/L	1.57
30	97	519	17:18	2	0.937	A BB	115936.	9.475	UG/L	1.61
31	78	513	17:06	2	0.926	A BB	407301.	8.600	UG/L	1.46
32	75	519	17:18	2	0.937	A BB	149035.	3.663	UG/L	0.62
33	63	555	18:30	2	1.002	A BB	3442.	16.190	UG/L	2.75
34	173	595	19:50	2	1.074	A BB	157304.	9.808	UG/L	1.66
35	43	609	20:18	3	0.904	A BB	109069.	12.339	UG/L	2.09
36	43	656	21:52	3	0.973	A BB	58856.	9.984	UG/L	1.69
37	164	667	22:14	3	0.990	A BB	209758.	6.487	UG/L	1.10
38	83	665	22:10	3	0.987	A BB	109030.	9.132	UG/L	1.55
39	92	706	23:32	3	1.047	A BB	722000.	18.833	UG/L	3.19
40	112	740	24:40	3	1.098	A BB	397107.	7.338	UG/L	1.24
41	106	797	26:34	3	1.182	A BB	215722.	8.262	UG/L	1.40
42	104	913	30:26	3	1.355	A BB	347668.	7.962	UG/L	1.35
43	106	921	30:42	3	1.366	A BB	254043.	9.095	UG/L	1.54
44	106	949	31:38	3	1.408	A BB	462183.	17.003	UG/L	2.88

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	10.00	10.00	1.115	1.116	1.00
5	16:54	1.00	0.917	1.00	9.47	10.00	1.173	1.239	0.95
6	23:18	1.00	1.040	1.00	8.14	10.00	1.654	2.033	0.81
7	1:46	0.98	0.187	0.98	9.50	30.00	0.175	0.552	0.32
8	2:44	1.00	0.290	1.00	8.58	30.00	0.108	0.379	0.29
9	3:04	1.01	0.325	1.01	7.85	30.00	0.200	0.766	0.26
10	4:08	1.00	0.438	1.00	8.33	30.00	0.107	0.385	0.28

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.01	0.664	1.00	9.37	15.00	0.659	1.056	0.62
12	6:50	1.00	0.724	1.00	38.83	75.00	0.054	0.104	0.52
13	7:04	0.99	0.749	0.99	6.83	75.00	0.000	0.002	0.09
14	7:46	1.01	0.823	1.01	7.86	15.00	1.760	3.360	0.52
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	6.18	15.00	0.653	1.586	0.41
17	10:10	1.01	1.078	1.00	7.26	15.00	1.503	3.107	0.48
18	10:56	1.00	1.159	1.00	17.69	15.00	2.032	1.722	1.18
19	11:28	1.00	1.216	1.00	7.17	15.00	1.567	3.279	0.48
20	12:12	1.00	1.293	1.00	8.73	15.00	0.824	1.415	0.58
21	12:08	1.00	0.658	1.00	84.86	75.00	0.019	0.017	1.13
22	13:26	1.00	0.729	1.00	6.98	15.00	0.449	0.965	0.47
23	13:26	1.00	0.729	1.00	7.25	15.00	0.072	0.150	0.48
24	14:02	1.00	0.761	1.00	86.90	30.00	0.233	0.080	2.90
25	14:22	1.00	0.779	1.00	8.49	15.00	0.529	0.934	0.57
26	15:42	1.00	0.852	1.00	8.13	15.00	0.373	0.688	0.54
27	15:58	1.00	0.866	1.00	14.81	24.30	0.342	0.561	0.61
28	16:32	1.00	0.897	1.00	7.11	15.00	0.480	1.012	0.47
29	17:08	1.00	0.929	1.00	9.28	15.00	0.490	0.792	0.62
30	17:14	1.00	0.935	1.00	9.48	15.00	0.278	0.439	0.63
31	17:02	1.00	0.924	1.00	8.60	15.00	0.975	1.701	0.57
32	17:14	1.00	0.935	1.00	3.66	5.70	0.939	1.461	0.64
33	18:26	1.00	1.000	1.00	16.19	15.00	0.008	0.008	1.08
34	19:48	1.00	1.074	1.00	9.81	15.00	0.377	0.576	0.65
35	20:16	1.00	0.905	1.00	12.34	30.00	0.183	0.444	0.41
36	21:50	1.00	0.975	1.00	9.98	30.00	0.099	0.296	0.33
37	22:10	1.00	0.990	1.00	6.49	15.00	0.703	1.625	0.43
38	22:06	1.00	0.987	1.00	9.13	15.00	0.365	0.600	0.61
39	23:28	1.00	1.048	1.00	18.83	15.00	2.419	1.926	1.26
40	24:36	1.00	1.098	1.00	7.34	15.00	1.330	2.719	0.49
41	26:30	1.00	1.183	1.00	8.26	15.00	0.723	1.312	0.55
42	30:22	1.00	1.356	1.00	7.96	15.00	1.165	2.194	0.53
43	30:38	1.00	1.368	1.00	9.09	15.00	0.851	1.404	0.61
44	31:34	1.00	1.409	1.00	17.00	15.00	1.548	1.366	1.13

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39MSD

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39MSD

Sample wt/vol: 20.0 (g/mL) ML Lab File ID: 3ZE33S39MSD

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	580	
74-83-9	Bromomethane	470	
75-01-4	Vinyl Chloride	520	
75-00-3	Chloroethane	560	
75-09-2	Methylene Chloride	570	B
67-64-1	Acetone	1800	J
107-02-8	Acrolein	370	J
75-15-0	Carbon Disulfide	570	
107-13-1	Acrylonitrile	2500	U
75-35-4	1,1-Dichloroethene	460	
75-35-3	1,1-Dichloroethane	460	
540-59-0	1,2-Dichloroethene (total)	1100	
67-66-3	Chloroform	440	
107-06-2	1,2-Dichloroethane	460	
78-93-3	2-Butanone	3700	
71-55-6	1,1,1-Trichloroethane	470	
56-23-5	Carbon Tetrachloride	480	
108-05-4	Vinyl acetate	3800	
75-27-4	Bromodichloromethane	450	
78-87-5	1,2-Dichloropropane	440	
10061-01-5	cis-1,3-Dichloropropene	770	
79-01-6	Trichloroethene	430	
124-48-1	Dibromochloromethane	450	
79-00-5	1,1,2-Trichloroethane	450	
71-43-2	Benzene	490	
10061-02-6	Trans-1,3-Dichloropropene	180	
110-75-8	2-Chloroethylvinylether	790	
75-25-2	Bromoform	450	
108-10-1	4-Methyl-2-Pentanone	600	
591-78-6	2-Hexanone	500	
127-18-4	Tetrachloroethene	470	
79-34-5	1,1,2,2-Tetrachloroethane	480	
108-88-3	Toluene	1200	
108-90-7	Chlorobenzene	460	
100-41-4	Ethylbenzene	550	
100-42-5	Styrene	510	
108-38-3	M-Xylene	600	
95-47-6	O-&/or P-Xylene	1100	

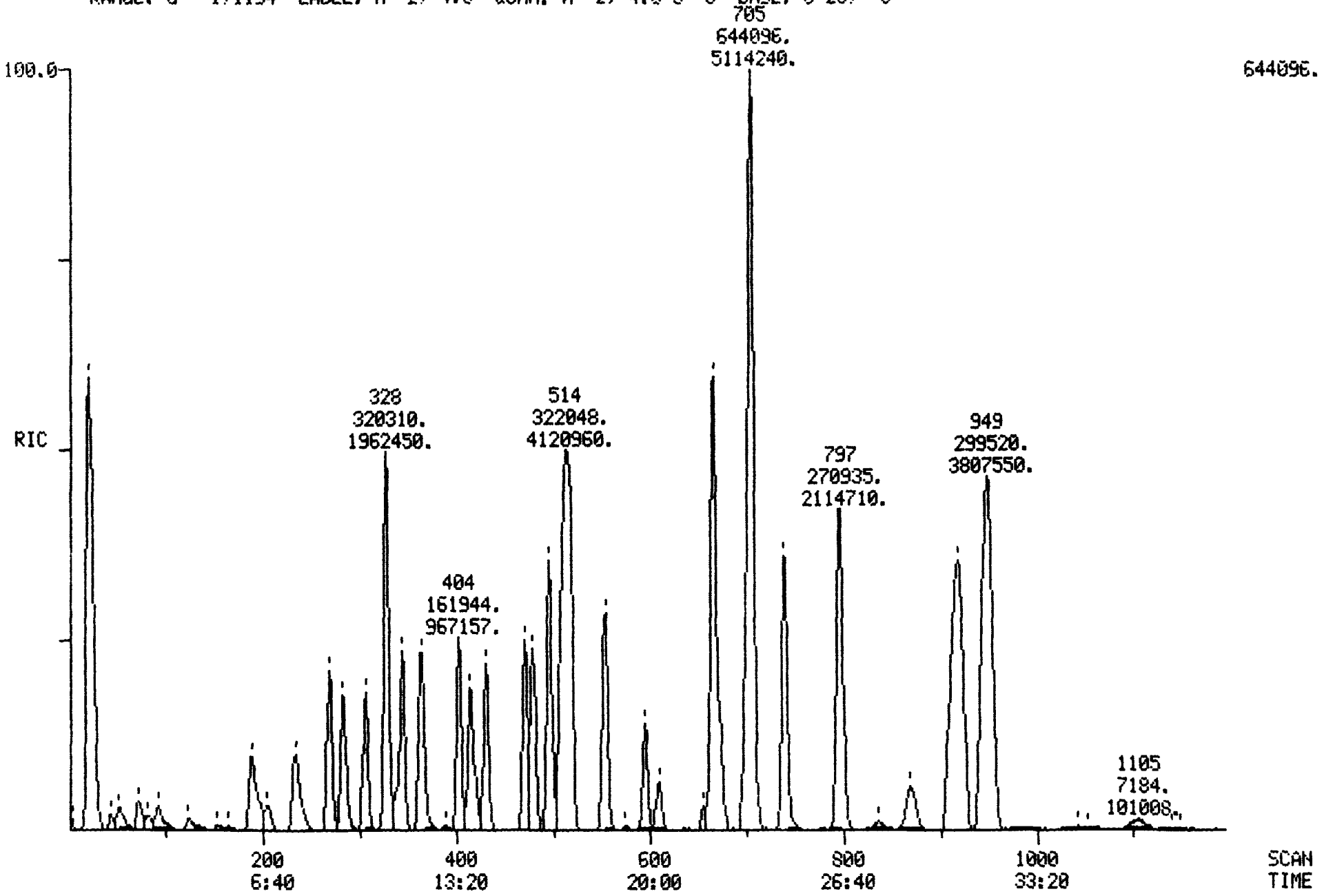
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 22:03:50
DATA FILE: 93ZE33S39MSD
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	3	80	6	6	1	59	VP_IS/VP_SURR
3	3	1	80	12	10	4	52	VP_IS/VP_CMPDS1
3	3	1	80	12	12	1	54	VP_IS/VP_CMPDS2
3	3	1	80	12	11	1	55	VP_IS/VP_CMPDS3
3	3	1	80	14	13	1	50	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 40 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	284	283	283	.	1	971	.	128	283	.	1
2	VP	2	554	553	554	1	3	992	.	77	554	.	1
3	VP	3	674	673	673	.	1	991	.	55	673	.	1
4	VP	4	364	364	364	.	1	983	.	65	364	.	1
5	VP	5	508	508	508	.	1	987	.	84	507	-1	1
6	VP	6	700	699	699	.	1	994	.	98	699	.	1
7	VP	7	52	52	52	.	2	988	.	50	52	.	1
8	VP	8	82	82	82	.	2	997	.	94	82	.	1
9	VP	9	93	93	92	-1	1	991	.	62	92	.	1
10	VP	10	124	124	124	.	1	996	.	64	124	.	1
11	VP	11	189	189	189	.	1	980	.	84	189	.	1
12	VP	12	206	206	206	.	1	835	.	43	206	.	1
13	VP	13	-209	209	.	.	.	.	.	56	208	.	1
14	VP	14	235	235	234	-1	1	1000	.	76	234	.	1
15	VP	15	-230	230	.	.	.	.	.	53	.	.	.
16	VP	16	269	268	269	1	1	970	.	96	269	.	1
17	VP	17	307	306	306	.	1	964	.	63	306	.	1
18	VP	18	329	328	328	.	1	965	.	96	328	.	1
19	VP	19	345	344	345	1	1	955	.	83	345	.	1
20	VP	20	367	366	366	.	1	958	.	62	367	1	1
21	VP	21	365	364	364	.	1	997	.	72	363	-1	1
22	VP	22	404	403	404	1	1	950	.	97	404	.	1
23	VP	23	404	403	404	1	1	982	.	117	404	.	1
24	VP	24	422	421	421	.	1	984	.	43	421	.	1
25	VP	25	432	432	432	.	1	969	.	83	432	.	1
26	VP	26	472	472	472	.	1	986	.	63	472	.	1
27	VP	27	480	480	480	.	1	978	.	75	480	.	1
28	VP	28	497	497	497	.	1	957	.	130	497	.	1
29	VP	29	515	515	515	.	1	961	.	129	515	.	1
30	VP	30	519	519	518	-1	1	991	.	97	518	.	1
31	VP	31	513	513	512	-1	1	987	.	78	512	.	1
32	VP	32	518	518	517	-1	1	939	.	75	518	1	1
33	VP	33	-556	556	.	.	.	.	.	63	554	.	1
34	VP	34	595	594	595	1	1	951	.	173	595	.	1
35	VP	35	609	608	609	1	1	992	.	43	609	.	1
36	VP	36	-656	655	.	.	.	.	.	43	656	.	1
37	VP	37	667	666	666	.	1	900	.	164	666	.	1
38	VP	38	666	665	665	.	1	830	.	83	664	-1	1
39	VP	39	706	705	705	.	1	998	.	92	705	.	1
40	VP	40	740	739	739	.	1	988	.	112	739	.	1
41	VP	41	797	796	796	.	1	994	.	106	797	1	1
42	VP	42	914	913	913	.	1	994	.	104	913	.	1
43	VP	44	921	920	920	.	1	995	.	106	920	.	1
44	VP	45	949	948	949	1	1	993	.	106	949	.	1

RIC DATA: 93ZE33S39MSD #1 SCANS 1 TO 1194
05/26/93 21:22:00 CALI: 93ZE33S39MSD #3
SAMPLE: CLP,1187,,93ZE33S39MSD,L,W,,V,MSD 1:50
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39MSD

Data: 93ZE33S39MSD.TI
05/26/93 21:22:00
Sample: CLP,1187,,93ZE33S39MSD,L,W,,V,MSD 1:50
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	283	9:26	1	1.000	A BB	114700.	10.000	UG/L	1.60
2	77	554	18:28	2	1.000	A BB	328844.	10.000	UG/L	1.60
3	55	673	22:26	3	1.000	A BB	204213.	10.000	UG/L	1.60
4	65	364	12:08	1	1.286	A BB	130701.	10.212	UG/L	1.64
5	84	507	16:54	2	0.915	A VB	406417.	9.972	UG/L	1.60
6	98	699	23:18	3	1.039	A BB	405022.	9.757	UG/L	1.56
7	50	52	1:44	1	0.184	A VB	73454.	11.608	UG/L	1.86
8	94	82	2:44	1	0.290	A VB	40938.	9.421	UG/L	1.51
9	62	92	3:04	1	0.325	A BB	90401.	10.291	UG/L	1.65
10	64	124	4:08	1	0.438	A BB	49231.	11.156	UG/L	1.79
11	84	189	6:18	1	0.668	A BB	137571.	11.361	UG/L	1.82
12	43	206	6:52	1	0.728	A BB	43603.	36.393	UG/L	5.83
13	56	208	6:56	1	0.735	A BB	131.	7.379	UG/L	1.18
14	76	234	7:48	1	0.827	A BB	433586.	11.251	UG/L	1.80
15	NOT	FOUND								
16	96	269	8:58	1	0.951	A BB	168562.	9.267	UG/L	1.48
17	63	306	10:12	1	1.081	A BB	327509.	9.191	UG/L	1.47
18	96	328	10:56	1	1.159	A BB	440745.	22.308	UG/L	3.57
19	83	345	11:30	1	1.219	A BB	327629.	8.711	UG/L	1.40
20	62	367	12:14	1	1.297	A BB	149526.	9.211	UG/L	1.48
21	72	363	12:06	2	0.655	A BB	41199.	73.145	UG/L	11.72
22	97	404	13:28	2	0.729	A BB	298716.	9.413	UG/L	1.51
23	117	404	13:28	2	0.729	A BV	47722.	9.694	UG/L	1.55
24	43	421	14:02	2	0.760	A BB	201117.	76.118	UG/L	12.19
25	83	432	14:24	2	0.780	A BB	278875.	9.080	UG/L	1.45
26	63	472	15:44	2	0.852	A BB	197723.	8.741	UG/L	1.40
27	75	480	16:00	2	0.866	A BB	283350.	15.362	UG/L	2.46
28	130	497	16:34	2	0.897	A BV	286694.	8.614	UG/L	1.38
29	129	515	17:10	2	0.930	A BB	235912.	9.060	UG/L	1.45
30	97	518	17:16	2	0.935	A BB	130510.	9.033	UG/L	1.45
31	78	512	17:04	2	0.924	A BB	551385.	9.859	UG/L	1.58
32	75	518	17:16	2	0.935	A BB	173258.	3.606	UG/L	0.58
33	63	554	18:28	2	1.000	A BB	3957.	15.762	UG/L	2.52
34	173	595	19:50	2	1.074	A BB	170602.	9.008	UG/L	1.44
35	43	609	20:18	3	0.905	A BB	109009.	12.018	UG/L	1.93
36	43	656	21:52	3	0.975	A BB	60495.	10.001	UG/L	1.60
37	164	666	22:12	3	0.990	A BB	314812.	9.488	UG/L	1.52
38	83	664	22:08	3	0.987	A BB	117449.	9.586	UG/L	1.54
39	92	705	23:30	3	1.048	A BB	958928.	24.376	UG/L	3.90
40	112	739	24:38	3	1.098	A BB	513406.	9.246	UG/L	1.48
41	106	797	26:34	3	1.184	A BB	291480.	10.879	UG/L	1.74
42	104	913	30:26	3	1.357	A BB	459167.	10.247	UG/L	1.64
43	106	920	30:40	3	1.367	A BB	344702.	12.026	UG/L	1.93
44	106	949	31:38	3	1.410	A BB	624668.	22.395	UG/L	3.59

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	10.21	10.00	1.139	1.116	1.02
5	16:54	1.00	0.917	1.00	9.97	10.00	1.236	1.239	1.00
6	23:18	1.00	1.040	1.00	9.76	10.00	1.983	2.033	0.98
7	1:46	0.98	0.187	0.98	11.61	30.00	0.213	0.552	0.39
8	2:44	1.00	0.290	1.00	9.42	30.00	0.119	0.379	0.31
9	3:04	1.00	0.325	1.00	10.29	30.00	0.263	0.766	0.34
10	4:08	1.00	0.438	1.00	11.16	30.00	0.143	0.385	0.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.01	0.664	1.01	11.36	15.00	0.800	1.056	0.76
12	6:50	1.00	0.724	1.00	36.39	75.00	0.051	0.104	0.49
13	7:04	0.98	0.749	0.98	7.38	75.00	0.000	0.002	0.10
14	7:46	1.00	0.823	1.00	11.25	15.00	2.520	3.360	0.75
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	9.27	15.00	0.980	1.586	0.62
17	10:10	1.00	1.078	1.00	9.19	15.00	1.904	3.107	0.61
18	10:56	1.00	1.159	1.00	22.31	15.00	2.562	1.722	1.49
19	11:28	1.00	1.216	1.00	8.71	15.00	1.904	3.279	0.58
20	12:12	1.00	1.293	1.00	9.21	15.00	0.869	1.415	0.61
21	12:08	1.00	0.658	1.00	73.15	75.00	0.017	0.017	0.98
22	13:26	1.00	0.729	1.00	9.41	15.00	0.606	0.965	0.63
23	13:26	1.00	0.729	1.00	9.69	15.00	0.097	0.150	0.65
24	14:02	1.00	0.761	1.00	76.12	30.00	0.204	0.080	2.54
25	14:22	1.00	0.779	1.00	9.08	15.00	0.565	0.934	0.61
26	15:42	1.00	0.852	1.00	8.74	15.00	0.401	0.688	0.58
27	15:58	1.00	0.866	1.00	15.36	24.30	0.355	0.561	0.63
28	16:32	1.00	0.897	1.00	8.61	15.00	0.581	1.012	0.57
29	17:08	1.00	0.929	1.00	9.06	15.00	0.478	0.792	0.60
30	17:14	1.00	0.935	1.00	9.03	15.00	0.265	0.439	0.60
31	17:02	1.00	0.924	1.00	9.86	15.00	1.118	1.701	0.66
32	17:14	1.00	0.935	1.00	3.61	5.70	0.924	1.461	0.63
33	18:26	1.00	1.000	1.00	15.76	15.00	0.008	0.008	1.05
34	19:48	1.00	1.074	1.00	9.01	15.00	0.346	0.576	0.60
35	20:16	1.00	0.905	1.00	12.02	30.00	0.178	0.444	0.40
36	21:50	1.00	0.975	1.00	10.00	30.00	0.099	0.296	0.33
37	22:10	1.00	0.990	1.00	9.49	15.00	1.028	1.625	0.63
38	22:06	1.00	0.987	1.00	9.59	15.00	0.383	0.600	0.64
39	23:28	1.00	1.048	1.00	24.38	15.00	3.130	1.926	1.63
40	24:36	1.00	1.098	1.00	9.25	15.00	1.676	2.719	0.62
41	26:30	1.00	1.183	1.00	10.88	15.00	0.952	1.312	0.73
42	30:22	1.00	1.356	1.00	10.25	15.00	1.499	2.194	0.68
43	30:38	1.00	1.368	1.00	12.03	15.00	1.125	1.404	0.80
44	31:34	1.00	1.409	1.00	22.40	15.00	2.039	1.366	1.49

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39MSR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39MSR

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 3ZE33S39MSR

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 50

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	570	
74-83-9	Bromomethane	510	
75-01-4	Vinyl Chloride	540	
75-00-3	Chloroethane	520	
75-09-2	Methylene Chloride	490	B
67-64-1	Acetone	1700	J
107-02-8	Acrolein	190	J
75-15-0	Carbon Disulfide	530	
107-13-1	Acrylonitrile	2500	U
75-35-4	1,1-Dichloroethene	450	
75-35-3	1,1-Dichloroethane	430	
540-59-0	1,2-Dichloroethene (total)	1000	
67-66-3	Chloroform	410	
107-06-2	1,2-Dichloroethane	430	
78-93-3	2-Butanone	3500	
71-55-6	1,1,1-Trichloroethane	460	
56-23-5	Carbon Tetrachloride	470	
108-05-4	Vinyl acetate	3600	
75-27-4	Bromodichloromethane	430	
78-87-5	1,2-Dichloropropane	410	
10061-01-5	cis-1,3-Dichloropropene	720	
79-01-6	Trichloroethene	410	
124-48-1	Dibromochloromethane	430	
79-00-5	1,1,2-Trichloroethane	420	
71-43-2	Benzene	470	
10061-02-6	Trans-1,3-Dichloropropene	170	
110-75-8	2-Chloroethylvinylether	800	
75-25-2	Bromoform	420	
108-10-1	4-Methyl-2-Pentanone	570	
591-78-6	2-Hexanone	450	
127-18-4	Tetrachloroethene	460	
79-34-5	1,1,2,2-Tetrachloroethane	460	
108-88-3	Toluene	1200	
108-90-7	Chlorobenzene	440	
100-41-4	Ethylbenzene	520	
100-42-5	Styrene	470	
108-38-3	M-Xylene	580	
95-47-6	O-&/or P-Xylene	1100	

1E

VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S39MSR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39MSR

Sample wt/vol: _____ (g/mL) ML Lab File ID: 3ZE33S39MSR

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 50

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

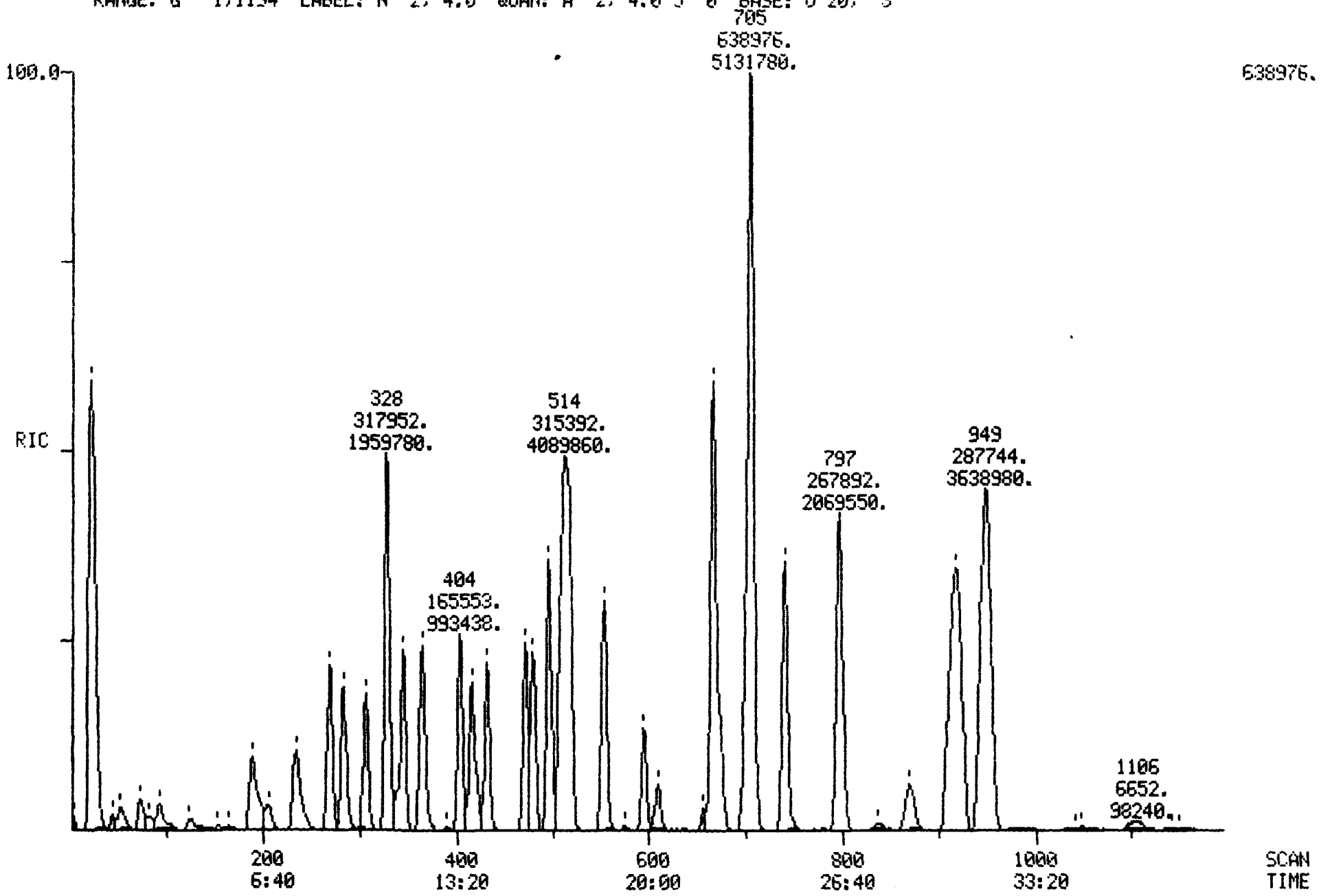
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 22:51:35
DATA FILE: 93ZE33S39MSR
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	3	24	6	6	1	57	VP_IS/VP_SURR
3	3	1	24	12	10	1	33	VP_IS/VP_CMPDS1
3	3	1	24	12	12	1	47	VP_IS/VP_CMPDS2
3	3	1	24	12	12	1	70	VP_IS/VP_CMPDS3
3	3	1	24	14	13	1	54	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 41 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	284	284	.	1	973	.	128	284	.	1
2	VP	2	554	554	554	.	3	997	.	77	554	.	1
3	VP	3	673	673	673	.	1	992	.	55	673	.	1
4	VP	4	364	364	364	.	1	985	.	65	364	.	1
5	VP	5	508	508	508	.	1	984	.	84	508	.	1
6	VP	6	699	699	700	1	1	995	.	98	700	.	1
7	VP	7	52	52	52	.	1	987	.	50	52	.	1
8	VP	8	82	82	82	.	1	994	.	94	81	-1	1
9	VP	9	92	92	92	.	1	988	.	62	92	.	1
10	VP	10	124	124	124	.	1	996	.	64	124	.	1
11	VP	11	189	189	189	.	1	982	.	84	189	.	1
12	VP	12	206	206	206	.	1	834	.	43	206	.	1
13	VP	13	-209	209	.	.	.	.	.	56	209	.	1
14	VP	14	234	234	234	.	1	999	.	76	234	.	1
15	VP	15	-230	230	.	.	.	.	.	53	.	.	.
16	VP	16	269	269	269	.	1	966	.	96	269	.	1
17	VP	17	306	306	306	.	1	965	.	63	306	.	1
18	VP	18	328	328	328	.	1	965	.	96	328	.	1
19	VP	19	345	345	345	.	1	955	.	83	345	.	1
20	VP	20	366	366	367	1	1	962	.	62	367	.	1
21	VP	21	364	364	364	.	1	996	.	72	364	.	1
22	VP	22	404	404	404	.	1	951	.	97	404	.	1
23	VP	23	404	404	404	.	1	978	.	117	404	.	1
24	VP	24	421	421	422	1	1	987	.	43	422	.	1
25	VP	25	432	432	432	.	1	968	.	83	432	.	1
26	VP	26	472	472	472	.	1	986	.	63	472	.	1
27	VP	27	480	480	480	.	1	974	.	75	480	.	1
28	VP	28	497	497	497	.	1	958	.	130	497	.	1
29	VP	29	515	515	515	.	1	956	.	129	515	.	1
30	VP	30	518	518	518	.	1	996	.	97	518	.	1
31	VP	31	512	512	512	.	1	990	.	78	512	.	1
32	VP	32	517	517	518	1	1	938	.	75	518	.	1
33	VP	33	-556	556	554	-2	1	908	.	63	554	.	1
34	VP	34	595	595	595	.	1	949	.	173	595	.	1
35	VP	35	609	609	609	.	1	997	.	43	609	.	1
36	VP	36	-655	655	.	.	.	.	.	43	656	.	1
37	VP	37	666	666	666	.	1	900	.	164	666	.	1
38	VP	38	665	665	665	.	1	847	.	83	665	.	1
39	VP	39	705	705	706	1	1	996	.	92	706	.	1
40	VP	40	739	739	740	1	1	988	.	112	740	.	1
41	VP	41	796	797	797	.	1	997	.	106	797	.	1
42	VP	42	913	914	914	.	1	998	.	104	913	-1	1
43	VP	44	920	921	921	.	1	998	.	106	921	.	1
44	VP	45	949	950	949	-1	1	1000	.	106	949	.	1

RIC DATA: 93ZE33539MSR #1 SCANS 1 TO 1194
05/26/93 22:10:00 CALI: 93ZE33539MSR #3
SAMPLE: CLP,1187,,93ZE33539MSR,L,W,,V,MSR 1:50
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39MSR

Data: 93ZE33S39MSR.TI
05/26/93 22:10:00
Sample: CLP,1187,,93ZE33S39MSR,L,W,,V,MSR 1:50
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	284	9:28	1	1.000	A BB	122162.	10.000	UG/L	1.68
2	77	554	18:28	2	1.000	A BB	339628.	10.000	UG/L	1.68
3	55	673	22:26	3	1.000	A BB	208932.	10.000	UG/L	1.68
4	65	364	12:08	1	1.282	A BB	138078.	10.130	UG/L	1.70
5	84	508	16:56	2	0.917	A VB	430675.	10.231	UG/L	1.72
6	98	700	23:20	3	1.040	A BB	418871.	9.863	UG/L	1.66
7	50	52	1:44	1	0.183	A VB	76443.	11.343	UG/L	1.91
8	94	81	2:42	1	0.285	A VB	47090.	10.175	UG/L	1.71
9	62	92	3:04	1	0.324	A BB	100412.	10.732	UG/L	1.80
10	64	124	4:08	1	0.437	A BB	48239.	10.264	UG/L	1.73
11	84	189	6:18	1	0.665	A BB	126779.	9.830	UG/L	1.65
12	43	206	6:52	1	0.725	A BB	43866.	34.376	UG/L	5.78
13	56	209	6:58	1	0.736	A BB	72.	3.808	UG/L	0.64
14	76	234	7:48	1	0.824	A BB	436342.	10.631	UG/L	1.79
15	NOT	FOUND								
16	96	269	8:58	1	0.947	A BB	172969.	8.928	UG/L	1.50
17	63	306	10:12	1	1.077	A BB	326102.	8.593	UG/L	1.44
18	96	328	10:56	1	1.155	A BB	435562.	20.699	UG/L	3.48
19	83	345	11:30	1	1.215	A BB	330317.	8.246	UG/L	1.39
20	62	367	12:14	1	1.292	A BB	148491.	8.588	UG/L	1.44
21	72	364	12:08	2	0.657	A BB	40835.	70.198	UG/L	11.80
22	97	404	13:28	2	0.729	A BB	304226.	9.283	UG/L	1.56
23	117	404	13:28	2	0.729	A BV	47912.	9.423	UG/L	1.58
24	43	422	14:04	2	0.762	A BB	196964.	72.179	UG/L	12.14
25	83	432	14:24	2	0.780	A BB	275027.	8.671	UG/L	1.46
26	63	472	15:44	2	0.852	A BB	193051.	8.264	UG/L	1.39
27	75	480	16:00	2	0.866	A BB	271981.	14.277	UG/L	2.40
28	130	497	16:34	2	0.897	A BB	280193.	8.151	UG/L	1.37
29	129	515	17:10	2	0.930	A BB	233678.	8.689	UG/L	1.46
30	97	518	17:16	2	0.935	A BB	124396.	8.336	UG/L	1.40
31	78	512	17:04	2	0.924	A BB	544082.	9.420	UG/L	1.58
32	75	518	17:16	2	0.935	A BB	168670.	3.399	UG/L	0.57
33	63	554	18:28	2	1.000	A BB	4155.	16.024	UG/L	2.69
34	173	595	19:50	2	1.074	A BB	166125.	8.493	UG/L	1.43
35	43	609	20:18	3	0.905	A VB	104914.	11.306	UG/L	1.90
36	43	656	21:52	3	0.975	A BB	55942.	9.039	UG/L	1.52
37	164	666	22:12	3	0.990	A BB	309226.	9.109	UG/L	1.53
38	83	665	22:10	3	0.988	A BB	114258.	9.115	UG/L	1.53
39	92	706	23:32	3	1.049	A BB	948284.	23.561	UG/L	3.96
40	112	740	24:40	3	1.100	A BB	496035.	8.731	UG/L	1.47
41	106	797	26:34	3	1.184	A BB	283154.	10.330	UG/L	1.74
42	104	913	30:26	3	1.357	A BB	432456.	9.433	UG/L	1.59
43	106	921	30:42	3	1.368	A BB	336411.	11.471	UG/L	1.93
44	106	949	31:38	3	1.410	A BB	609108.	21.344	UG/L	3.59

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	10.13	10.00	1.130	1.116	1.01
5	16:54	1.00	0.917	1.00	10.23	10.00	1.268	1.239	1.02
6	23:18	1.00	1.040	1.00	9.86	10.00	2.005	2.033	0.99
7	1:46	0.98	0.187	0.98	11.34	30.00	0.209	0.552	0.38
8	2:44	0.99	0.290	0.98	10.18	30.00	0.128	0.379	0.34
9	3:04	1.00	0.325	1.00	10.73	30.00	0.274	0.766	0.36
10	4:08	1.00	0.438	1.00	10.26	30.00	0.132	0.385	0.34

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.01	0.664	1.00	9.83	15.00	0.692	1.056	0.66
12	6:50	1.00	0.724	1.00	34.38	75.00	0.048	0.104	0.46
13	7:04	0.99	0.749	0.98	3.81	75.00	0.000	0.002	0.05
14	7:46	1.00	0.823	1.00	10.63	15.00	2.381	3.360	0.71
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	8.93	15.00	0.944	1.586	0.60
17	10:10	1.00	1.078	1.00	8.59	15.00	1.780	3.107*	0.57
18	10:56	1.00	1.159	1.00	20.70	15.00	2.377	1.722	1.38
19	11:28	1.00	1.216	1.00	8.25	15.00	1.803	3.279	0.55
20	12:12	1.00	1.293	1.00	8.59	15.00	0.810	1.415	0.57
21	12:08	1.00	0.658	1.00	70.20	75.00	0.016	0.017	0.94
22	13:26	1.00	0.729	1.00	9.28	15.00	0.597	0.965	0.62
23	13:26	1.00	0.729	1.00	9.42	15.00	0.094	0.150	0.63
24	14:02	1.00	0.761	1.00	72.18	30.00	0.193	0.080	2.41
25	14:22	1.00	0.779	1.00	8.67	15.00	0.540	0.934	0.58
26	15:42	1.00	0.852	1.00	8.26	15.00	0.379	0.688	0.55
27	15:58	1.00	0.866	1.00	14.28	24.30	0.330	0.561	0.59
28	16:32	1.00	0.897	1.00	8.15	15.00	0.550	1.012	0.54
29	17:08	1.00	0.929	1.00	8.69	15.00	0.459	0.792	0.58
30	17:14	1.00	0.935	1.00	8.34	15.00	0.244	0.439	0.56
31	17:02	1.00	0.924	1.00	9.42	15.00	1.068	1.701	0.63
32	17:14	1.00	0.935	1.00	3.40	5.70	0.871	1.461	0.60
33	18:26	1.00	1.000	1.00	16.02	15.00	0.008	0.008	1.07
34	19:48	1.00	1.074	1.00	8.49	15.00	0.326	0.576	0.57
35	20:16	1.00	0.905	1.00	11.31	30.00	0.167	0.444	0.38
36	21:50	1.00	0.975	1.00	9.04	30.00	0.089	0.296	0.30
37	22:10	1.00	0.990	1.00	9.11	15.00	0.987	1.625	0.61
38	22:06	1.00	0.987	1.00	9.11	15.00	0.365	0.600	0.61
39	23:28	1.00	1.048	1.00	23.56	15.00	3.026	1.926	1.57
40	24:36	1.00	1.098	1.00	8.73	15.00	1.583	2.719	0.58
41	26:30	1.00	1.183	1.00	10.33	15.00	0.903	1.312	0.69
42	30:22	1.00	1.356	1.00	9.43	15.00	1.380	2.194	0.63
43	30:38	1.00	1.368	1.00	11.47	15.00	1.073	1.404	0.76
44	31:34	1.00	1.409	1.00	21.34	15.00	1.944	1.366	1.42

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39D1

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D1

Sample wt/vol: 20.0 (g/mL) ML Lab File ID: 93ZE33S39D1

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. Date Analyzed: 05/25/93

Column: (pack/cap) PACK Dilution Factor: 100

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	300	U
74-83-9	Bromomethane	300	U
75-01-4	Vinyl Chloride	300	U
75-00-3	Chloroethane	300	U
75-09-2	Methylene Chloride	330	
67-64-1	Acetone	1900	BJ
107-02-8	Acrolein	7500	U
75-15-0	Carbon Disulfide	200	U
107-13-1	Acrylonitrile	140	J
75-35-4	1,1-Dichloroethene	100	U
75-35-3	1,1-Dichloroethane	100	U
540-59-0	1,2-Dichloroethene (total)	160	
67-66-3	Chloroform	100	U
107-06-2	1,2-Dichloroethane	150	U
78-93-3	2-Butanone	3900	
71-55-6	1,1,1-Trichloroethane	100	U
56-23-5	Carbon Tetrachloride	100	U
108-05-4	Vinyl acetate	1000	U
75-27-4	Bromodichloromethane	100	U
78-87-5	1,2-Dichloropropane	100	U
10061-01-5	cis-1,3-Dichloropropene	100	U
79-01-6	Trichloroethene	100	U
124-48-1	Dibromochloromethane	100	U
79-00-5	1,1,2-Trichloroethane	100	U
71-43-2	Benzene	100	U
10061-02-6	Trans-1,3-Dichloropropene	100	U
110-75-8	2-Chloroethylvinylether	100	U
75-25-2	Bromoform	100	U
108-10-1	4-Methyl-2-Pentanone	220	J
591-78-6	2-Hexanone	400	U
127-18-4	Tetrachloroethene	100	U
79-34-5	1,1,2,2-Tetrachloroethane	100	U
108-88-3	Toluene	650	
108-90-7	Chlorobenzene	100	U
100-41-4	Ethylbenzene	100	U
100-42-5	Styrene	200	U
108-38-3	M-Xylene	150	J
95-47-6	O-&/or P-Xylene	110	J

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S39D1

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D1

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33S39D1

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/25/93

Column (pack/cap) PACK Dilution Factor: 100

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

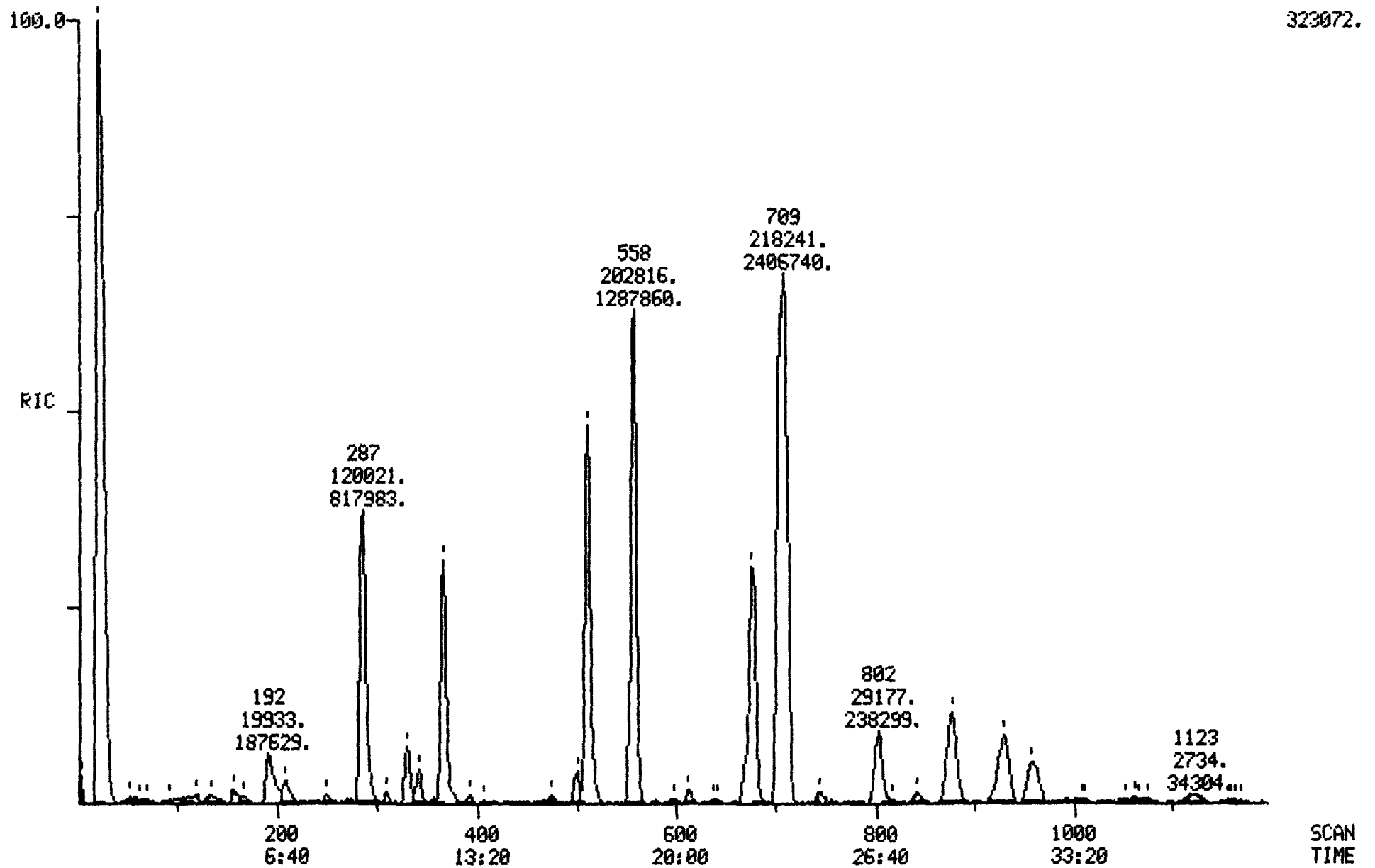
PROCEDURE: TCA DIAGNOSTIC REPORT 5/25/93 23:26:35
DATA FILE: 93ZE33S39D1
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	55	6	6	1	52	VP_IS/VP_SURR
3	3	1	55	12	5	1	103	VP_IS/VP_CMPDS1
3	3	1	55	12	5	1	57	VP_IS/VP_CMPDS2
3	3	1	55	12	7	1	51	VP_IS/VP_CMPDS3
3	3	1	55	14	12	1	60	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 23 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	286	287	287	.	1	974	.	128	287	.	1
2	VP	2	557	558	558	.	2	997	.	77	558	.	1
3	VP	3	677	677	677	.	1	996	.	55	677	.	1
4	VP	4	367	368	367	-1	1	989	.	65	367	.	1
5	VP	5	511	511	511	.	1	980	.	84	511	.	1
6	VP	6	704	704	704	.	1	997	.	98	704	.	1
7	VP	7	-55	55	.	.	.	.	.	50	54	.	1
8	VP	8	-86	86	.	.	.	.	.	94	84	.	1
9	VP	9	-95	95	.	.	.	.	.	62	94	.	1
10	VP	10	-127	127	.	.	.	.	.	64	127	.	1
11	VP	11	191	191	192	1	1	984	.	84	192	.	1
12	VP	12	-210	210	.	.	.	.	.	43	210	.	1
13	VP	13	-214	214	.	.	.	.	.	56	214	.	1
14	VP	14	239	239	238	-1	1	1000	.	76	238	.	1
15	VP	15	-234	234	.	.	.	.	.	53	236	.	1
16	VP	16	-272	273	.	.	.	.	.	96	273	.	1
17	VP	17	-309	310	.	.	.	.	.	63	310	.	1
18	VP	18	-331	332	332	.	1	979	.	96	331	-1	1
19	VP	19	-348	349	.	.	.	.	.	83	348	.	1
20	VP	20	-369	370	.	.	.	.	.	62	370	.	1
21	VP	21	368	369	368	-1	1	999	.	72	368	.	1
22	VP	22	-407	408	.	.	.	.	.	97	407	.	1
23	VP	23	-407	408	.	.	.	.	.	117	409	.	1
24	VP	24	-424	425	.	.	.	.	.	43	426	.	1
25	VP	25	-435	436	.	.	.	.	.	83	436	.	1
26	VP	26	-475	476	475	-1	1	917	.	63	476	1	1
27	VP	27	-483	483	.	.	.	.	.	75	484	.	1
28	VP	28	500	500	501	1	1	955	.	130	500	-1	1
29	VP	29	-518	518	.	.	.	.	.	129	518	.	1
30	VP	30	-521	521	521	.	1	951	.	97	522	1	1
31	VP	31	-515	515	.	.	.	.	.	78	516	.	1
32	VP	32	-521	521	.	.	.	.	.	75	522	.	1
33	VP	33	-558	558	558	.	1	905	.	63	557	-1	1
34	VP	34	-598	599	599	.	1	980	.	173	599	.	1
35	VP	35	611	612	612	.	1	993	.	43	613	1	1
36	VP	36	-659	660	.	.	.	.	.	43	661	.	1
37	VP	37	-669	670	670	.	1	906	.	164	670	.	1
38	VP	38	-668	669	.	.	.	.	.	83	668	.	1
39	VP	39	-708	709	710	1	1	995	.	92	710	.	1
40	VP	40	-743	744	745	1	1	958	.	112	745	.	1
41	VP	41	-800	801	802	1	1	994	.	106	802	.	1
42	VP	42	920	921	921	.	1	984	.	104	.	.	.
43	VP	44	929	930	930	.	1	998	.	106	930	.	1
44	VP	45	958	959	959	.	1	996	.	106	959	.	1

RIC DATA: 93ZE3353301 #1 SCANS 1 TO 1194
05/25/93 22:44:00 CALI: 93ZE3353301 #3
SAMPLE: CLP,1187,,93ZE3353301,L,W,,V,EPA 1:100
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39D1

Data: 93ZE33S39D1.TI
05/25/93 22:44:00
Sample: CLP,1187,,93ZE33S39D1,L,W,,V,EPA 1:100
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	287	9:34	1	1.000	A BB	124094.	10.000	UG/L	6.57
2	77	558	18:36	2	1.000	A BB	359205.	10.000	UG/L	6.57
3	55	677	22:34	3	1.000	A BB	228949.	10.000	UG/L	6.57
4	65	367	12:14	1	1.279	A BB	147386.	9.911	UG/L	6.52
5	84	511	17:02	2	0.916	A BB	444999.	9.489	UG/L	6.24
6	98	704	23:28	3	1.040	A BB	451415.	8.888	UG/L	5.84
7	50	54	1:48	1	0.188	A VV	644.	0.067	UG/L	0.04
8	94	84	2:48	1	0.293	A BB	32.	0.006	UG/L	0.00
9	62	94	3:08	1	0.328	A BV	1238.	0.110	UG/L	0.07
10	64	127	4:14	1	0.443	A BB	477.	0.075	UG/L	0.05
11	84	192	6:24	1	0.669	A BB	43812.	3.305	UG/L	2.17
12	43	210	7:00	1	0.732	A BB	21118.	18.724	UG/L	12.31
13	56	214	7:08	1	0.746	A BB	127.	3.680	UG/L	2.42
14	76	238	7:56	1	0.829	A BB	4315.	0.103	UG/L	0.07
15	53	236	7:52	1	0.822	A BV	1218.	1.421	UG/L	0.93
16	96	273	9:06	1	0.951	A BB	1554.	0.077	UG/L	0.05
17	63	310	10:20	1	1.080	A BB	2925.	0.074	UG/L	0.05
18	96	331	11:02	1	1.153	A BB	34033.	1.595	UG/L	1.05
19	83	348	11:36	1	1.213	A BB	3007.	0.074	UG/L	0.05
20	62	370	12:20	1	1.289	A BB	2508.	0.146	UG/L	0.10
21	72	368	12:16	2	0.659	A BB	19785.	38.714	UG/L	25.45
22	97	407	13:34	2	0.729	A BB	2377.	0.070	UG/L	0.05
23	117	409	13:38	2	0.733	A BB	152.	0.030	UG/L	0.02
24	43	426	14:12	2	0.763	A BV	1447.	0.641	UG/L	0.42
25	83	436	14:32	2	0.781	A BB	1599.	0.055	UG/L	0.04
26	63	476	15:52	2	0.853	A BB	2871.	0.125	UG/L	0.08
27	75	484	16:08	2	0.867	A BB	1731.	0.094	UG/L	0.06
28	130	500	16:40	2	0.896	A BB	14674.	0.425	UG/L	0.28
29	129	518	17:16	2	0.928	A BB	2357.	0.100	UG/L	0.07
30	97	522	17:24	2	0.935	A BB	2083.	0.158	UG/L	0.10
31	78	516	17:12	2	0.925	A BB	17009.	0.284	UG/L	0.19
32	75	522	17:24	2	0.935	A BB	2098.	0.045	UG/L	0.03
33	63	557	18:34	2	0.998	A BB	3788.	9.704	UG/L	6.38
34	173	599	19:58	2	1.073	A BB	2739.	0.171	UG/L	0.11
35	43	613	20:26	3	0.905	A VB	20210.	2.208	UG/L	1.45
36	43	661	22:02	3	0.976	A BB	4002.	0.716	UG/L	0.47
37	164	670	22:20	3	0.990	A BB	14009.	0.378	UG/L	0.25
38	83	668	22:16	3	0.987	A BV	3129.	0.263	UG/L	0.17
39	92	710	23:40	3	1.049	A BB	294905.	6.528	UG/L	4.29
40	112	745	24:50	3	1.100	A BB	7783.	0.127	UG/L	0.08
41	106	802	26:44	3	1.185	A BB	28016.	0.907	UG/L	0.60
42	NOT	FOUND								
43	106	930	31:00	3	1.374	A BB	50371.	1.502	UG/L	0.99
44	106	959	31:58	3	1.417	A BB	34569.	1.108	UG/L	0.73

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:30	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:12	1.00	1.284	1.00	9.91	10.00	1.188	1.198	0.99
5	17:00	1.00	0.917	1.00	9.49	10.00	1.239	1.306	0.95
6	23:24	1.00	1.038	1.00	8.89	10.00	1.972	2.218	0.89
7	1:44	1.04	0.182	1.03	0.07	30.00	0.002	0.770	0.00
8	2:48	1.00	0.295	0.99	0.01	30.00	0.000	0.468	0.00
9	3:06	1.01	0.326	1.00	0.11	30.00	0.003	0.907	0.00
10	4:12	1.01	0.442	1.00	0.08	30.00	0.001	0.512	0.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:20	1.01	0.667	1.00	3.31	15.00	0.235	1.068	0.22
12	6:54	1.01	0.726	1.01	18.72	75.00	0.023	0.091	0.25
13	7:02	1.01	0.740	1.01	3.68	75.00	0.000	0.003	0.05
14	7:50	1.01	0.825	1.01	0.10	15.00	0.023	3.365	0.01
15	7:40	1.03	0.807	1.02	1.42	75.00	0.001	0.069	0.02
16	9:02	1.01	0.951	1.00	0.08	15.00	0.008	1.622	0.01
17	10:16	1.01	1.081	1.00	0.07	15.00	0.016	3.192	0.00
18	11:00	1.00	1.158	1.00	1.60	15.00	0.183	1.719	0.11
19	11:34	1.00	1.218	1.00	0.07	15.00	0.016	3.282	0.00
20	12:18	1.00	1.295	1.00	0.15	15.00	0.013	1.385	0.01
21	12:12	1.01	0.658	1.00	38.71	75.00	0.007	0.014	0.52
22	13:32	1.00	0.730	1.00	0.07	15.00	0.004	0.944	0.00
23	13:32	1.01	0.730	1.00	0.03	15.00	0.000	0.142	0.00
24	14:06	1.01	0.761	1.00	0.64	30.00	0.001	0.063	0.02
25	14:28	1.00	0.781	1.00	0.05	15.00	0.003	0.816	0.00
26	15:48	1.00	0.853	1.00	0.13	15.00	0.005	0.637	0.01
27	16:04	1.00	0.867	1.00	0.09	24.30	0.002	0.510	0.00
28	16:38	1.00	0.897	1.00	0.42	15.00	0.027	0.961	0.03
29	17:14	1.00	0.930	1.00	0.10	15.00	0.004	0.657	0.01
30	17:20	1.00	0.935	1.00	0.16	15.00	0.004	0.367	0.01
31	17:08	1.00	0.924	1.00	0.28	15.00	0.032	1.669	0.02
32	17:20	1.00	0.935	1.00	0.04	5.70	0.010	1.305	0.01
33	18:32	1.00	1.000	1.00	9.70	15.00	0.007	0.011	0.65
34	19:54	1.00	1.074	1.00	0.17	15.00	0.005	0.447	0.01
35	20:22	1.00	0.904	1.00	2.21	30.00	0.029	0.400	0.07
36	21:56	1.00	0.973	1.00	0.72	30.00	0.006	0.244	0.02
37	22:16	1.00	0.988	1.00	0.38	15.00	0.041	1.620	0.03
38	22:14	1.00	0.987	1.00	0.26	15.00	0.009	0.519	0.02
39	23:36	1.00	1.047	1.00	6.53	15.00	0.859	1.973	0.44
40	24:44	1.00	1.098	1.00	0.13	15.00	0.023	2.671	0.01
41	26:40	1.00	1.183	1.00	0.91	15.00	0.082	1.349	0.06
42	30:36		1.358						
43	30:52	1.00	1.370	1.00	1.50	15.00	0.147	1.465	0.10
44	31:50	1.00	1.413	1.00	1.11	15.00	0.101	1.363	0.07

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33S39D2

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D2

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33S39D2

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/25/93

Column: (pack/cap) PACK Dilution Factor: 20

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	60	U
74-83-9	Bromomethane	60	U
75-01-4	Vinyl Chloride	60	U
75-00-3	Chloroethane	60	U
75-09-2	Methylene Chloride	64	
67-64-1	Acetone	1700	B
107-02-8	Acrolein	1500	U
75-15-0	Carbon Disulfide	40	U
107-13-1	Acrylonitrile	25	J
75-35-4	1,1-Dichloroethene	20	U
75-35-3	1,1-Dichloroethane	20	U
540-59-0	1,2-Dichloroethene (total)	170	
67-66-3	Chloroform	20	U
107-06-2	1,2-Dichloroethane	30	U
78-93-3	2-Butanone	4500	E
71-55-6	1,1,1-Trichloroethane	20	U
56-23-5	Carbon Tetrachloride	20	U
108-05-4	Vinyl acetate	200	U
75-27-4	Bromodichloromethane	20	U
78-87-5	1,2-Dichloropropane	20	U
10061-01-5	cis-1,3-Dichloropropene	20	U
79-01-6	Trichloroethene	28	
124-48-1	Dibromochloromethane	20	U
79-00-5	1,1,2-Trichloroethane	20	U
71-43-2	Benzene	21	
10061-02-6	Trans-1,3-Dichloropropene	20	U
110-75-8	2-Chloroethylvinylether	20	U
75-25-2	Bromoform	20	U
108-10-1	4-Methyl-2-Pentanone	110	
591-78-6	2-Hexanone	80	U
127-18-4	Tetrachloroethene	34	
79-34-5	1,1,2,2-Tetrachloroethane	20	U
108-88-3	Toluene	620	
108-90-7	Chlorobenzene	20	U
100-41-4	Ethylbenzene	93	
100-42-5	Styrene	22	J
108-38-3	M-Xylene	150	
95-47-6	O-&/or P-Xylene	110	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33S39D2

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33S39D2

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33S39D2

Level: (low/med) LOW Date Received: 05/13/93

% Moisture: not dec. ____ Date Analyzed: 05/25/93

Column (pack/cap) PACK Dilution Factor: 20

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

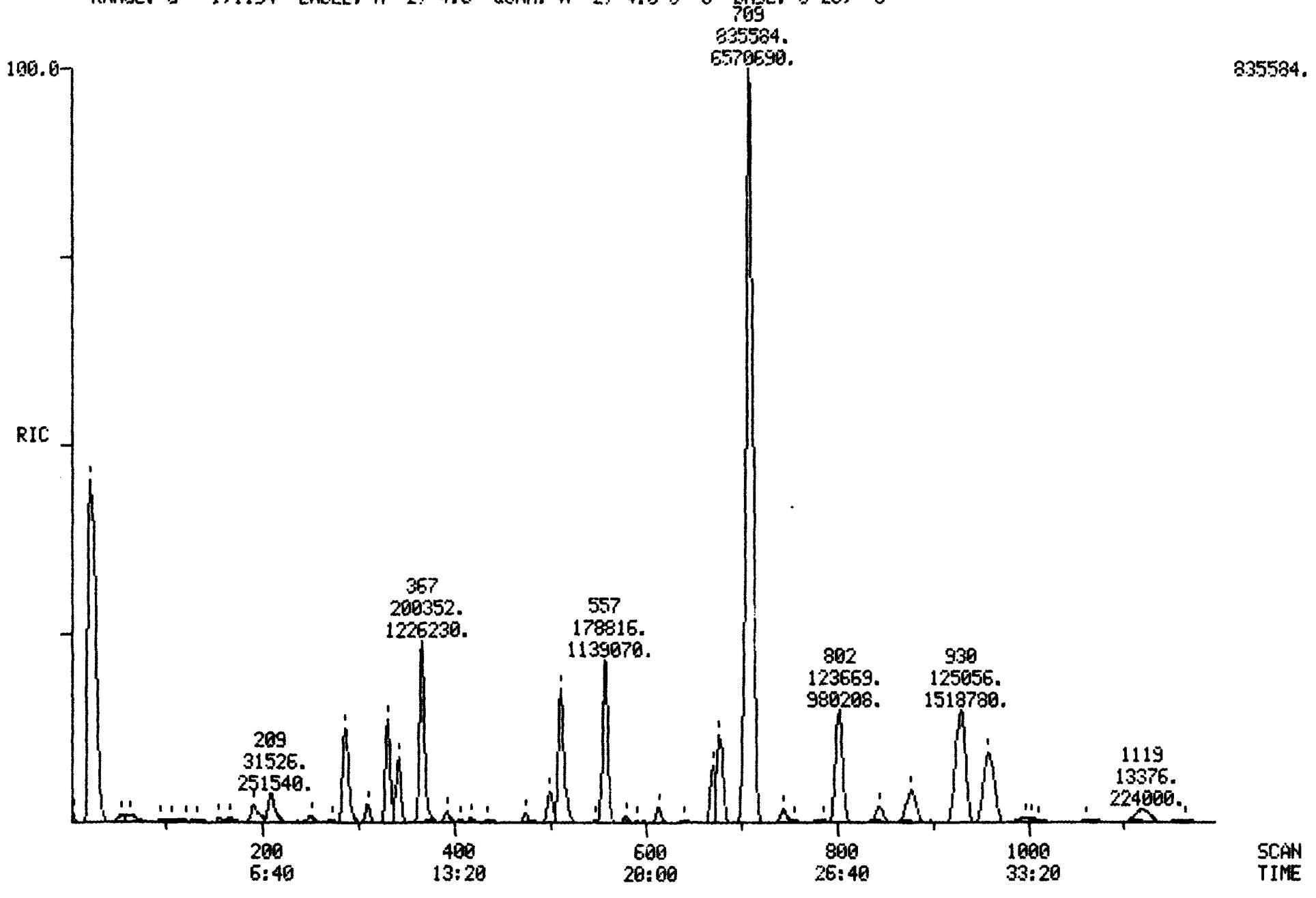
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 0:14:57
DATA FILE: 93ZE33S39D2
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	55	6	6	1	52	VP_IS/VP_SURR
3	3	1	55	12	8	1	81	VP_IS/VP_CMPDS1
3	3	1	55	12	9	1	22	VP_IS/VP_CMPDS2
3	3	1	55	12	8	1	52	VP_IS/VP_CMPDS3
3	3	1	55	14	11	1	65	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 30 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	287	286	286	.	1	977	.	128	286	.	1
2	VP	2	558	557	557	.	1	995	.	77	558	1	1
3	VP	3	677	677	677	.	1	992	.	55	677	.	1
4	VP	4	367	366	367	1	1	990	.	65	367	.	1
5	VP	5	511	511	511	.	1	994	.	84	511	.	1
6	VP	6	704	704	704	.	1	997	.	98	704	.	1
7	VP	7	-55	55	.	.	.	.	.	50	54	.	1
8	VP	8	-86	86	.	.	.	.	.	94	84	.	1
9	VP	9	-95	95	94	-1	1	912	.	62	94	.	1
10	VP	10	-127	127	128	1	1	944	.	64	126	-2	1
11	VP	11	192	192	192	.	1	987	.	84	191	-1	1
12	VP	12	-210	210	209	-1	1	899	.	43	209	.	1
13	VP	13	-214	214	.	.	.	.	.	56	.	.	.
14	VP	14	238	238	237	-1	1	995	.	76	237	.	1
15	VP	15	-234	234	.	.	.	.	.	53	235	.	1
16	VP	16	-273	272	272	.	1	926	.	96	272	.	1
17	VP	17	-310	309	309	.	1	977	.	63	309	.	1
18	VP	18	332	331	331	.	1	974	.	96	331	.	1
19	VP	19	-349	348	348	.	1	954	.	83	348	.	1
20	VP	20	-370	369	.	.	.	.	.	62	370	.	1
21	VP	21	368	367	367	.	1	996	.	72	367	.	1
22	VP	22	-408	407	407	.	1	932	.	97	407	.	1
23	VP	23	-408	407	.	.	.	.	.	117	408	.	1
24	VP	24	-425	424	.	.	.	.	.	43	.	.	.
25	VP	25	-436	436	436	.	1	913	.	83	435	-1	1
26	VP	26	475	475	475	.	1	985	.	63	475	.	1
27	VP	27	-483	483	.	.	.	.	.	75	483	.	1
28	VP	28	501	501	500	-1	1	955	.	130	500	.	1
29	VP	29	-518	518	.	.	.	.	.	129	518	.	1
30	VP	30	521	521	521	.	1	932	.	97	522	1	1
31	VP	31	-515	515	515	.	1	943	.	78	516	1	1
32	VP	32	-521	521	.	.	.	.	.	75	522	.	1
33	VP	33	558	558	.	.	.	.	.	63	558	.	1
34	VP	34	599	599	599	.	1	935	.	173	598	-1	1
35	VP	35	612	612	613	1	1	996	.	43	613	.	1
36	VP	36	-660	660	.	.	.	.	.	43	659	.	1
37	VP	37	670	670	670	.	1	904	.	164	670	.	1
38	VP	38	-669	669	.	.	.	.	.	83	668	.	1
39	VP	39	710	710	709	-1	1	997	1	92	709	.	1
40	VP	40	745	745	744	-1	1	987	.	112	744	.	1
41	VP	41	802	802	802	.	1	996	.	106	802	.	1
42	VP	42	921	921	.	.	.	.	.	104	923	.	1
43	VP	44	930	930	930	.	1	997	.	106	930	.	1
44	VP	45	959	959	959	.	1	996	.	106	959	.	1

RIC DATA: 93ZE3353902 #1 SCANS 1 TO 1194
05/25/93 23:32:00 CALI: 93ZE3353902 #3
SAMPLE: CLP,1187,,93ZE3353902,L,W,,V,EPA 1:20
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33S39D2

Data: 93ZE33S39D2.TI
05/25/93 23:32:00
Sample: CLP,1187,,93ZE33S39D2,L,W,,V,EPA 1:20
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	286	9:32	1	1.000	A BB	112725.	10.000	UG/L	2.20
2	77	558	18:36	2	1.000	A BB	319619.	10.000	UG/L	2.20
3	55	677	22:34	3	1.000	A BB	211294.	10.000	UG/L	2.20
4	65	367	12:14	1	1.283	A BB	134903.	9.987	UG/L	2.20
5	84	511	17:02	2	0.916	A BB	390403.	9.356	UG/L	2.06
6	98	704	23:28	3	1.040	A BB	384692.	8.207	UG/L	1.81
7	50	54	1:48	1	0.189	A BV	558.	0.064	UG/L	0.01
8	94	84	2:48	1	0.294	A BV	215.	0.041	UG/L	0.01
9	62	94	3:08	1	0.329	A BB	3975.	0.389	UG/L	0.09
10	64	126	4:12	1	0.441	A BV	1693.	0.293	UG/L	0.06
11	84	191	6:22	1	0.668	A BB	38650.	3.210	UG/L	0.71
12	43	209	6:58	1	0.731	A BB	85319.	83.276	UG/L	18.36
13	NOT FOUND									
14	76	237	7:54	1	0.829	A BB	7594.	0.200	UG/L	0.04
15	53	235	7:50	1	0.822	A BB	990.	1.272	UG/L	0.28
16	96	272	9:04	1	0.951	A BB	3081.	0.169	UG/L	0.04
17	63	309	10:18	1	1.080	A BB	11185.	0.311	UG/L	0.07
18	96	331	11:02	1	1.157	A BB	161885.	8.352	UG/L	1.84
19	83	348	11:36	1	1.217	A BB	5908.	0.160	UG/L	0.04
20	62	370	12:20	1	1.294	A BB	4984.	0.319	UG/L	0.07
21	72	367	12:14	2	0.658	A BB	102072.	224.467	UG/L	49.49
22	97	407	13:34	2	0.729	A BB	5283.	0.175	UG/L	0.04
23	117	408	13:36	2	0.731	A BB	586.	0.129	UG/L	0.03
24	NOT FOUND									
25	83	435	14:30	2	0.780	A BB	3330.	0.128	UG/L	0.03
26	63	475	15:50	2	0.851	A BB	10956.	0.538	UG/L	0.12
27	75	483	16:06	2	0.866	A VB	2681.	0.164	UG/L	0.04
28	130	500	16:40	2	0.896	A BB	42464.	1.382	UG/L	0.30
29	129	518	17:16	2	0.928	A BB	2487.	0.119	UG/L	0.03
30	97	522	17:24	2	0.935	A BB	2100.	0.179	UG/L	0.04
31	78	516	17:12	2	0.925	A BB	57145.	1.071	UG/L	0.24
32	75	522	17:24	2	0.935	A BB	3648.	0.087	UG/L	0.02
33	63	558	18:36	2	1.000	A BB	3543.	10.201	UG/L	2.25
34	173	598	19:56	2	1.072	A BB	2181.	0.153	UG/L	0.03
35	43	613	20:26	3	0.905	A BB	46450.	5.498	UG/L	1.21
36	43	659	21:58	3	0.973	A BB	5128.	0.994	UG/L	0.22
37	164	670	22:20	3	0.990	A BB	57780.	1.688	UG/L	0.37
38	83	668	22:16	3	0.987	A BB	3435.	0.313	UG/L	0.07
39	92	709	23:38	3	1.047	A BB	1301440.	31.216	UG/L	6.88
40	112	744	24:48	3	1.099	A BB	27636.	0.490	UG/L	0.11
41	106	802	26:44	3	1.185	A BB	132219.	4.639	UG/L	1.02
42	104	923	30:46	3	1.363	A BB	47709.	1.077	UG/L	0.24
43	106	930	31:00	3	1.374	A BB	237702.	7.680	UG/L	1.69
44	106	959	31:58	3	1.417	A BB	161042.	5.591	UG/L	1.23

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:30	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:12	1.00	1.284	1.00	9.99	10.00	1.197	1.198	1.00
5	17:00	1.00	0.917	1.00	9.36	10.00	1.221	1.306	0.94
6	23:24	1.00	1.038	1.00	8.21	10.00	1.821	2.218	0.82
7	1:44	1.04	0.182	1.03	0.06	30.00	0.002	0.770	0.00
8	2:48	1.00	0.295	1.00	0.04	30.00	0.001	0.468	0.00
9	3:06	1.01	0.326	1.01	0.39	30.00	0.012	0.907	0.01
10	4:12	1.00	0.442	1.00	0.29	30.00	0.005	0.512	0.01

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:20	1.01	0.667	1.00	3.21	15.00	0.229	1.068	0.21
12	6:54	1.01	0.726	1.01	83.28	75.00	0.101	0.091	1.11
13	7:02		0.740						
14	7:50	1.01	0.825	1.00	0.20	15.00	0.045	3.365	0.01
15	7:40	1.02	0.807	1.02	1.27	75.00	0.001	0.069	0.02
16	9:02	1.00	0.951	1.00	0.17	15.00	0.018	1.622	0.01
17	10:16	1.00	1.081	1.00	0.31	15.00	0.066	3.192	0.02
18	11:00	1.00	1.158	1.00	8.35	15.00	0.957	1.719	0.56
19	11:34	1.00	1.218	1.00	0.16	15.00	0.035	3.282	0.01
20	12:18	1.00	1.295	1.00	0.32	15.00	0.029	1.385	0.02
21	12:12	1.00	0.658	1.00	224.47	75.00	0.043	0.014	2.99
22	13:32	1.00	0.730	1.00	0.18	15.00	0.011	0.944	0.01
23	13:32	1.00	0.730	1.00	0.13	15.00	0.001	0.142	0.01
24	14:06		0.761						
25	14:28	1.00	0.781	1.00	0.13	15.00	0.007	0.816	0.01
26	15:48	1.00	0.853	1.00	0.54	15.00	0.023	0.637	0.04
27	16:04	1.00	0.867	1.00	0.16	24.30	0.003	0.510	0.01
28	16:38	1.00	0.897	1.00	1.38	15.00	0.089	0.961	0.09
29	17:14	1.00	0.930	1.00	0.12	15.00	0.005	0.657	0.01
30	17:20	1.00	0.935	1.00	0.18	15.00	0.004	0.367	0.01
31	17:08	1.00	0.924	1.00	1.07	15.00	0.119	1.669	0.07
32	17:20	1.00	0.935	1.00	0.09	5.70	0.020	1.305	0.02
33	18:32	1.00	1.000	1.00	10.20	15.00	0.007	0.011	0.68
34	19:54	1.00	1.074	1.00	0.15	15.00	0.005	0.447	0.01
35	20:22	1.00	0.904	1.00	5.50	30.00	0.073	0.400	0.18
36	21:56	1.00	0.973	1.00	0.99	30.00	0.008	0.244	0.03
37	22:16	1.00	0.988	1.00	1.69	15.00	0.182	1.620	0.11
38	22:14	1.00	0.987	1.00	0.31	15.00	0.011	0.519	0.02
39	23:36	1.00	1.047	1.00	31.22	15.00	4.106	1.973	2.08
40	24:44	1.00	1.098	1.00	0.49	15.00	0.087	2.671	0.03
41	26:40	1.00	1.183	1.00	4.64	15.00	0.417	1.349	0.31
42	30:36	1.01	1.358	1.00	1.08	15.00	0.151	2.097	0.07
43	30:52	1.00	1.370	1.00	7.68	15.00	0.750	1.465	0.51
44	31:50	1.00	1.413	1.00	5.59	15.00	0.508	1.363	0.37

1A
VOLATILE ORGANICS ANALYSIS DATA SHEET

EPA SAMPLE NO.

93ZE33D39DR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187A SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33D39DR

Sample wt/vol: 20.0 _____ (g/mL) ML Lab File ID: 93ZE33D39DR

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column: (pack/cap) PACK Dilution Factor: 10

CONCENTRATION UNITS: (ug/L or ug/Kg) UG/L

CAS NO.	COMPOUND		Q
74-87-3	Chloromethane	30	U
74-83-9	Bromomethane	30	U
75-01-4	Vinyl Chloride	30	U
75-00-3	Chloroethane	30	U
75-09-2	Methylene Chloride	59	B
67-64-1	Acetone	1000	
107-02-8	Acrolein	740	J
75-15-0	Carbon Disulfide	20	U
107-13-1	Acrylonitrile	500	U
75-35-4	1,1-Dichloroethene	10	U
75-35-3	1,1-Dichloroethane	10	U
540-59-0	1,2-Dichloroethene (total)	150	
67-66-3	Chloroform	10	U
107-06-2	1,2-Dichloroethane	15	U
78-93-3	2-Butanone	3100	E
71-55-6	1,1,1-Trichloroethane	10	U
56-23-5	Carbon Tetrachloride	10	U
108-05-4	Vinyl acetate	100	U
75-27-4	Bromodichloromethane	10	U
78-87-5	1,2-Dichloropropane	10	U
10061-01-5	cis-1,3-Dichloropropene	10	U
79-01-6	Trichloroethene	26	
124-48-1	Dibromochloromethane	10	U
79-00-5	1,1,2-Trichloroethane	10	U
71-43-2	Benzene	18	
10061-02-6	Trans-1,3-Dichloropropene	10	U
110-75-8	2-Chloroethylvinylether	10	U
75-25-2	Bromoform	10	U
108-10-1	4-Methyl-2-Pentanone	79	
591-78-6	2-Hexanone	40	U
127-18-4	Tetrachloroethene	50	
79-34-5	1,1,2,2-Tetrachloroethane	10	U
108-88-3	Toluene	640	
108-90-7	Chlorobenzene	10	U
100-41-4	Ethylbenzene	110	
100-42-5	Styrene	30	
108-38-3	M-Xylene	180	
95-47-6	O-&/or P-Xylene	130	

1E
VOLATILE ORGANICS ANALYSIS DATA SHEET
TENTATIVELY IDENTIFIED COMPOUNDS

EPA SAMPLE NO.

93ZE33D39DR

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187 SAS No.: NA SDG No.: NA

Matrix: (soil/water) WATER Lab Sample ID: 93ZE33D39DR

Sample wt/vol: _____ (g/mL) ML Lab File ID: 93ZE33D39DR

Level: (low/med) LOW Date Received: 05/12/93

% Moisture: not dec. ____ Date Analyzed: 05/26/93

Column (pack/cap) PACK Dilution Factor: 10

Number TICs found: 0

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/L

CAS NUMBER	COMPOUND NAME	RT	EST. CONC.	Q

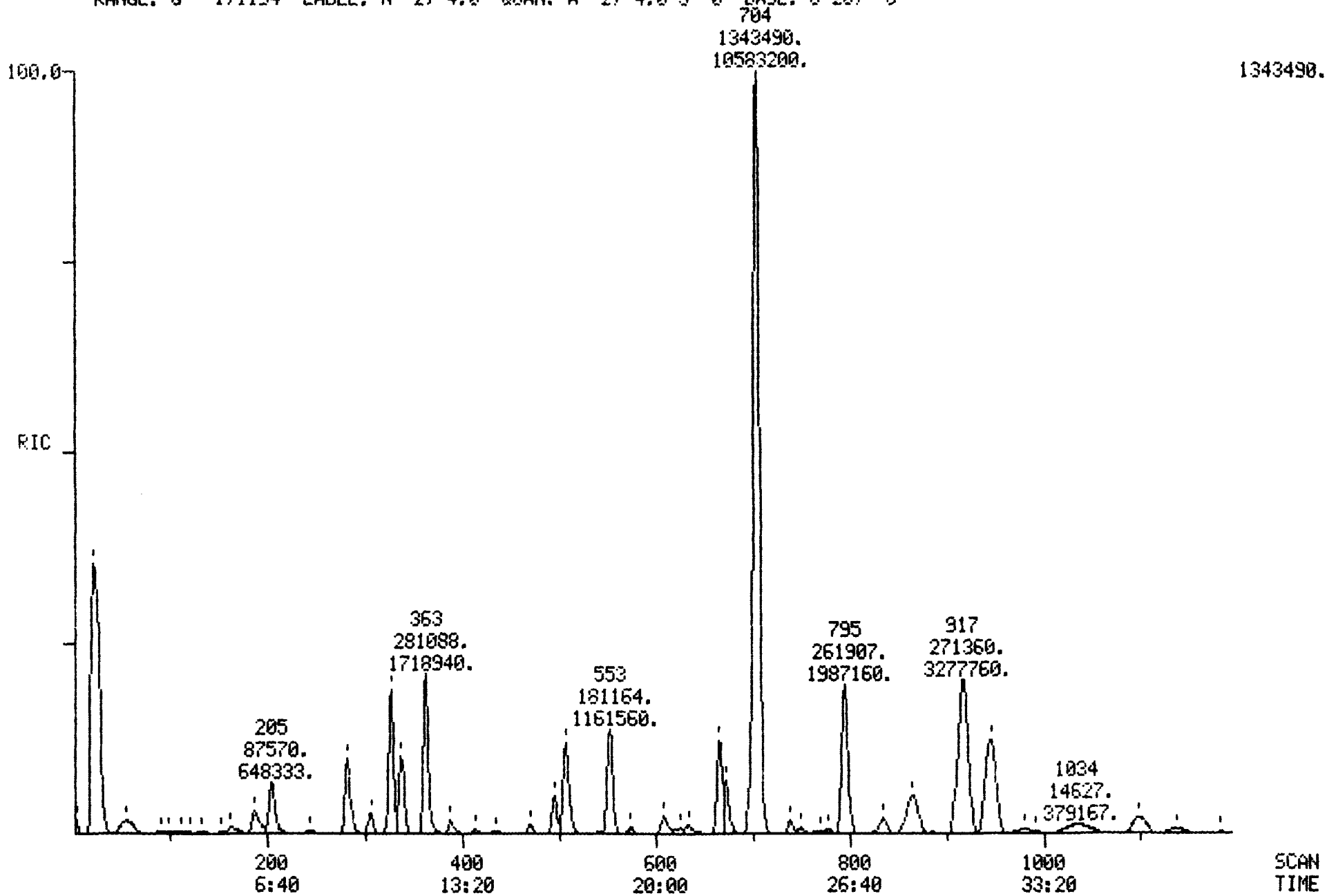
PROCEDURE: TCA DIAGNOSTIC REPORT 5/27/93 8:50:19
DATA FILE: 93ZE33D39DR
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	80	6	6	1	59	VP_IS/VP_SURR
3	3	1	80	12	8	1	96	VP_IS/VP_CMPDS1
3	3	1	80	12	6	1	61	VP_IS/VP_CMPDS2
3	3	1	80	12	7	1	58	VP_IS/VP_CMPDS3
3	3	1	80	14	9	1	59	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 24 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	282	282	.	2	968	.	128	282	.	1
2	VP	2	553	552	553	1	1	992	.	77	553	.	1
3	VP	3	673	672	672	.	1	993	.	55	672	.	1
4	VP	4	363	363	363	.	1	986	.	65	363	.	1
5	VP	5	507	507	507	.	1	994	.	84	507	.	1
6	VP	6	699	698	698	.	1	994	.	98	698	.	1
7	VP	7	-51	50	.	.	.	.	.	50	49	.	1
8	VP	8	-81	80	.	.	.	.	.	94	.	.	.
9	VP	9	91	90	92	2	1	947	.	62	92	.	1
10	VP	10	124	123	123	.	1	925	.	64	123	.	1
11	VP	11	188	187	187	.	1	981	.	84	187	.	1
12	VP	12	205	204	204	.	1	949	.	43	204	.	1
13	VP	13	-208	207	.	.	.	.	.	56	208	.	1
14	VP	14	235	234	233	-1	1	998	.	76	233	.	1
15	VP	15	-229	228	.	.	.	.	.	53	.	.	.
16	VP	16	-268	268	.	.	.	.	.	96	267	.	1
17	VP	17	306	306	305	-1	1	967	.	63	305	.	1
18	VP	18	327	327	327	.	1	968	.	96	327	.	1
19	VP	19	-344	344	.	.	.	.	.	83	343	.	1
20	VP	20	-366	366	.	.	.	.	.	62	366	.	1
21	VP	21	363	363	363	.	1	999	.	72	363	.	1
22	VP	22	-403	403	.	.	.	.	.	97	403	.	1
23	VP	23	-403	403	.	.	.	.	.	117	.	.	.
24	VP	24	-421	420	.	.	.	.	.	43	.	.	.
25	VP	25	-431	431	.	.	.	.	.	83	431	.	1
26	VP	26	471	471	471	.	1	983	.	63	471	.	1
27	VP	27	-479	479	.	.	.	.	.	75	.	.	.
28	VP	28	497	497	496	-1	1	954	.	130	496	.	1
29	VP	29	-514	514	.	.	.	.	.	129	.	.	.
30	VP	30	-517	517	.	.	.	.	.	97	.	.	.
31	VP	31	511	511	511	.	1	983	.	78	512	1	1
32	VP	32	-517	517	.	.	.	.	.	75	.	.	.
33	VP	33	554	554	554	.	1	969	.	63	554	.	1
34	VP	34	-594	593	.	.	.	.	.	173	.	.	.
35	VP	35	609	608	609	1	1	999	.	43	608	-1	1
36	VP	36	-654	653	.	.	.	.	.	43	.	.	.
37	VP	37	-665	664	.	.	.	.	.	164	665	.	1
38	VP	38	-664	663	.	.	.	.	.	83	.	.	.
39	VP	39	705	704	704	.	1	987	-2	92	704	.	1
40	VP	40	740	739	739	.	1	987	.	112	739	.	1
41	VP	41	796	795	795	.	1	995	.	106	795	.	1
42	VP	42	-913	912	.	.	.	.	.	104	911	.	1
43	VP	44	920	919	918	-1	1	995	.	106	918	.	1
44	VP	45	948	946	946	.	1	995	.	106	946	.	1

RIC DATA: 93ZE33D39DR #1 SCANS 1 TO 1194
05/26/93 23:46:00 CALI: 93ZE33D39DR #3
SAMPLE: CLP,1187,,93ZE33D39DR,L,W,,V,EPA 1:10
CONDS.: 10
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 93ZE33D39DR

Data: 93ZE33D39DR.TI
05/26/93 23:46:00
Sample: CLP,1187,,93ZESSD39DR,L,W,,V,EPA 1:10
Conds.: 10
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	282	9:24	1	1.000	A BB	138007.	10.000	UG/L	1.41
2	77	553	18:26	2	1.000	A BB	319822.	10.000	UG/L	1.41
3	55	672	22:24	3	1.000	A BB	194066.	10.000	UG/L	1.41
4	65	363	12:06	1	1.287	A BB	144233.	9.367	UG/L	1.32
5	84	507	16:54	2	0.917	A BB	402859.	10.163	UG/L	1.43
6	98	698	23:16	3	1.039	A BB	387437.	9.822	UG/L	1.38
7	50	49	1:38	1	0.174	A VV	4156.	0.546	UG/L	0.08
8	NOT	FOUND								
9	62	92	3:04	1	0.326	A BB	8277.	0.783	UG/L	0.11
10	64	123	4:06	1	0.436	A BB	2684.	0.506	UG/L	0.07
11	84	187	6:14	1	0.663	A BB	86540.	5.940	UG/L	0.84
12	43	204	6:48	1	0.723	A BB	147446.	102.282	UG/L	14.39
13	56	208	6:56	1	0.738	A BB	1578.	73.872	UG/L	10.39
14	76	233	7:46	1	0.826	A BB	4394.	0.095	UG/L	0.01
15	NOT	FOUND								
16	96	267	8:54	1	0.947	A BB	569.	0.026	UG/L	0.00
17	63	305	10:10	1	1.082	A BB	14061.	0.328	UG/L	0.05
18	96	327	10:54	1	1.160	A BB	357888.	15.055	UG/L	2.12
19	83	343	11:26	1	1.216	A BB	1281.	0.028	UG/L	0.00
20	62	366	12:12	1	1.298	A BB	4994.	0.256	UG/L	0.04
21	72	363	12:06	2	0.656	A BB	168606.	307.789	UG/L	43.30
22	97	403	13:26	2	0.729	A BB	1156	0.037	UG/L	0.01
23	NOT	FOUND								
24	NOT	FOUND								
25	83	431	14:22	2	0.779	A BB	277.	0.009	UG/L	0.00
26	63	471	15:42	2	0.852	A BB	17957.	0.816	UG/L	0.11
27	NOT	FOUND								
28	130	496	16:32	2	0.897	A BB	84238.	2.602	UG/L	0.37
29	NOT	FOUND								
30	NOT	FOUND								
31	78	512	17:04	2	0.926	A BB	97389.	1.791	UG/L	0.25
32	NOT	FOUND								
~~33~~	~~63~~	~~554~~	~~18:28~~	~~2~~	~~1.002~~	~~A BB~~	~~3904.~~	~~15.989~~	~~UG/L~~	~~2.25~~
34	NOT	FOUND								
35	43	608	20:16	3	0.905	A BB	67673.	7.851	UG/L	1.10
36	NOT	FOUND								
37	164	665	22:10	3	0.990	A BB	158664.	5.032	UG/L	0.71
38	NOT	FOUND								
39	92	704	23:28	3	1.048	A BB	2383000.	63.743	UG/L	8.97
40	112	739	24:38	3	1.100	A BB	50514.	0.957	UG/L	0.13
41	106	795	26:30	3	1.183	A BB	277007.	10.879	UG/L	1.53
42	104	911	30:22	3	1.356	A BB	127970.	3.005	UG/L	0.42
43	106	918	30:36	3	1.366	A BB	499483.	18.337	UG/L	2.58
44	106	946	31:32	3	1.408	A BB	344852.	13.010	UG/L	1.83

ZR 6-24-93

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	9.37	10.00	1.045	1.116	0.94
5	16:54	1.00	0.917	1.00	10.16	10.00	1.260	1.239	1.02
6	23:18	1.00	1.040	1.00	9.82	10.00	1.996	2.033	0.98
7	1:46	0.92	0.187	0.93	0.55	30.00	0.010	0.552	0.02
8	2:44		0.290						
9	3:04	1.00	0.325	1.00	0.78	30.00	0.020	0.766	0.03
10	4:08	0.99	0.438	1.00	0.51	30.00	0.006	0.385	0.02

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	0.99	0.664	1.00	5.94	15.00	0.418	1.056	0.40
12	6:50	1.00	0.724	1.00	102.28	75.00	0.142	0.104	1.36
13	7:04	0.98	0.749	0.98	73.87	75.00	0.002	0.002	0.98
14	7:46	1.00	0.823	1.00	0.09	15.00	0.021	3.360	0.01
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	0.03	15.00	0.003	1.586	0.00
17	10:10	1.00	1.078	1.00	0.33	15.00	0.068	3.107	0.02
18	10:56	1.00	1.159	1.00	15.06	15.00	1.729	1.722	1.00
19	11:28	1.00	1.216	1.00	0.03	15.00	0.006	3.279	0.00
20	12:12	1.00	1.293	1.00	0.26	15.00	0.024	1.415	0.02
21	12:08	1.00	0.658	1.00	307.79	75.00	0.070	0.017	4.10
22	13:26	1.00	0.729	1.00	0.04	15.00	0.002	0.965	0.00
23	13:26		0.729						
24	14:02		0.761						
25	14:22	1.00	0.779	1.00	0.01	15.00	0.001	0.934	0.00
26	15:42	1.00	0.852	1.00	0.82	15.00	0.037	0.688	0.05
27	15:58		0.866						
28	16:32	1.00	0.897	1.00	2.60	15.00	0.176	1.012	0.17
29	17:08		0.929						
30	17:14		0.935						
31	17:02	1.00	0.924	1.00	1.79	15.00	0.203	1.701	0.12
32	17:14		0.935						
33	18:26	1.00	1.000	1.00	15.99	15.00	0.008	0.008	1.07
34	19:48		1.074						
35	20:16	1.00	0.905	1.00	7.85	30.00	0.116	0.444	0.26
36	21:50		0.975						
37	22:10	1.00	0.990	1.00	5.03	15.00	0.545	1.625	0.34
38	22:06		0.987						
39	23:28	1.00	1.048	1.00	63.74	15.00	8.186	1.926	4.25
40	24:36	1.00	1.098	1.00	0.96	15.00	0.174	2.719	0.06
41	26:30	1.00	1.183	1.00	10.88	15.00	0.952	1.312	0.73
42	30:22	1.00	1.356	1.00	3.01	15.00	0.440	2.194	0.20
43	30:38	1.00	1.368	1.00	18.34	15.00	1.716	1.404	1.22
44	31:34	1.00	1.409	1.00	13.01	15.00	1.185	1.366	0.87

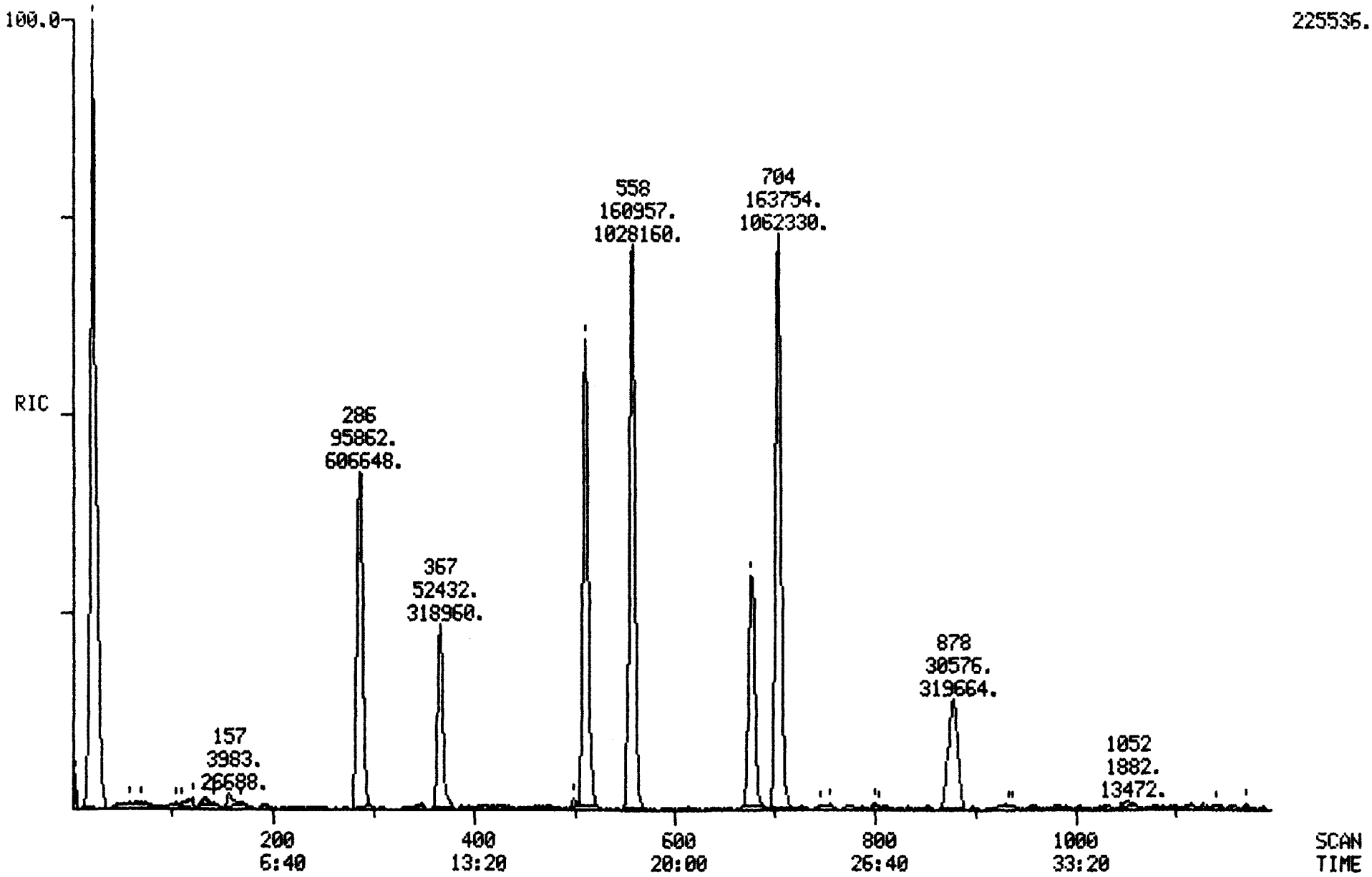
PROCEDURE: TCA DIAGNOSTIC REPORT 5/25/93 20:12:58
DATA FILE: 0525BLK2
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	55	6	6	1	54	VP_IS/VP_SURR
3	3	1	55	12	5	1	98	VP_IS/VP_CMPDS1
3	3	1	55	12	4	1	39	VP_IS/VP_CMPDS2
3	3	1	55	12	4	1	44	VP_IS/VP_CMPDS3
3	3	1	55	14	6	4	84	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 13 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	286	287	287	.	1	977	.	128	286	-1	1
2	VP	2	557	558	558	.	1	994	.	77	558	.	1
3	VP	3	677	677	677	.	1	998	.	55	677	.	1
4	VP	4	366	367	367	.	1	990	.	65	367	.	1
5	VP	5	511	512	511	-1	1	972	.	84	511	.	1
6	VP	6	703	703	704	1	1	992	.	98	704	.	1
7	VP	7	-54	56	.	.	.	.	.	50	.	.	.
8	VP	8	-84	86	.	.	.	.	.	94	.	.	.
9	VP	9	-94	96	.	.	.	.	.	62	.	.	.
10	VP	10	-126	128	.	.	.	.	.	64	.	.	.
11	VP	11	191	193	192	-1	1	947	.	84	192	.	1
12	VP	12	-208	210	.	.	.	.	.	43	210	.	1
13	VP	13	-212	214	.	.	.	.	.	56	215	.	1
14	VP	14	236	238	239	1	1	916	.	76	239	.	1
15	VP	15	-232	234	.	.	.	.	.	53	.	.	.
16	VP	16	-271	272	.	.	.	.	.	96	272	.	1
17	VP	17	-309	310	.	.	.	.	.	63	.	.	.
18	VP	18	-331	332	.	.	.	.	.	96	332	.	1
19	VP	19	-348	349	.	.	.	.	.	83	349	.	1
20	VP	20	-369	370	.	.	.	.	.	62	369	.	1
21	VP	21	368	369	369	.	1	918	.	72	369	.	1
22	VP	22	-407	408	.	.	.	.	.	97	407	.	1
23	VP	23	-407	408	.	.	.	.	.	117	.	.	.
24	VP	24	-424	425	.	.	.	.	.	43	424	.	1
25	VP	25	-435	436	.	.	.	.	.	83	435	.	1
26	VP	26	-475	476	.	.	.	.	.	63	477	.	1
27	VP	27	-483	484	.	.	.	.	.	75	483	.	1
28	VP	28	-500	501	501	.	1	907	.	130	501	.	1
29	VP	29	-518	519	.	.	.	.	.	129	.	.	.
30	VP	30	-521	522	.	.	.	.	.	97	.	.	.
31	VP	31	-515	516	.	.	.	.	.	78	.	.	.
32	VP	32	-520	521	.	.	.	.	.	75	522	.	1
33	VP	33	557	558	.	.	.	.	.	63	557	.	1
34	VP	34	-599	600	.	.	.	.	.	173	600	.	1
35	VP	35	613	614	.	.	.	.	.	43	615	.	1
36	VP	36	-660	661	.	.	.	.	.	43	659	.	1
37	VP	37	-670	671	.	.	.	.	.	164	670	.	1
38	VP	38	-669	670	.	.	.	.	.	83	670	.	1
39	VP	39	-710	711	.	.	.	.	.	92	709	.	1
40	VP	40	-744	745	.	.	.	.	.	112	746	.	1
41	VP	41	801	802	.	.	.	.	.	106	803	.	1
42	VP	42	923	924	924	.	2	980	.	104	922	-2	1
43	VP	44	928	929	930	1	1	982	.	106	929	-1	1
44	VP	45	959	960	959	-1	2	957	.	106	959	.	1

RIC DATA: 0525BLK2 #1 SCANS 1 TO 1194
05/25/93 19:31:00 CALI: 0525BLK2 #3
SAMPLE: CLP,1187,,0525BLK1,L,W,,V,BLANK
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 0525BLK2

Data: 0525BLK2.TI
05/25/93 19:31:00
Sample: CLP,1187,,0525BLK1,L,W,,V,BLANK
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	286	9:32	1	1.000	A BB	95901.	10.000	UG/L	12.34
2	77	558	18:36	2	1.000	A BB	280170.	10.000	UG/L	12.34
3	55	677	22:34	3	1.000	A BB	157613.	10.000	UG/L	12.34
4	65	367	12:14	1	1.283	A BB	106912.	9.303	UG/L	11.48
5	84	511	17:02	2	0.916	A BB	377528.	10.321	UG/L	12.73
6	98	704	23:28	3	1.040	A BB	403828.	11.549	UG/L	14.25
7	NOT FOUND									
8	NOT FOUND									
9	NOT FOUND									
10	NOT FOUND									
11	84	192	6:24	1	0.671	A BB	3127.	0.305	UG/L	0.38
12	43	210	7:00	1	0.734	A BB	4542.	5.211	UG/L	6.43
13	56	215	7:10	1	0.752	A BB	44.	1.650	UG/L	2.04
14	76	239	7:58	1	0.836	A BB	1230.	0.038	UG/L	0.05
15	NOT FOUND									
16	96	272	9:04	1	0.951	A BB	650.	0.042	UG/L	0.05
17	NOT FOUND									
18	96	332	11:04	1	1.161	A BB	240.	0.015	UG/L	0.02
19	83	349	11:38	1	1.220	A BB	1452.	0.046	UG/L	0.06
20	62	369	12:18	1	1.290	A BB	92.	0.007	UG/L	0.01
21	72	369	12:18	2	0.661	A BB	67.	0.168	UG/L	0.21
22	97	407	13:34	2	0.729	A BB	1167.	0.044	UG/L	0.05
23	NOT FOUND									
24	43	424	14:08	2	0.760	A VB	1258.	0.715	UG/L	0.88
25	83	435	14:30	2	0.780	A BB	135.	0.006	UG/L	0.01
26	63	477	15:54	2	0.855	A BB	81.	0.005	UG/L	0.01
27	75	483	16:06	2	0.866	A BB	226.	0.016	UG/L	0.02
28	130	501	16:42	2	0.898	A BB	3666.	0.136	UG/L	0.17
29	NOT FOUND									
30	NOT FOUND									
31	NOT FOUND									
32	75	522	17:24	2	0.935	A BB	234.	0.006	UG/L	0.01
33	63	557	18:34	2	0.998	A BB	3149.	10.343	UG/L	12.76
34	173	600	20:00	2	1.075	A BB	32.	0.003	UG/L	0.00
35	43	615	20:30	3	0.908	A BV	2279.	0.362	UG/L	0.45
36	43	659	21:58	3	0.973	A VB	1695.	0.440	UG/L	0.54
37	164	670	22:20	3	0.990	A BB	1117.	0.044	UG/L	0.05
38	83	670	22:20	3	0.990	A BB	64.	0.008	UG/L	0.01
39	92	709	23:38	3	1.047	A BB	2239.	0.072	UG/L	0.09
40	112	746	24:52	3	1.102	A BB	1308.	0.031	UG/L	0.04
41	106	803	26:46	3	1.186	A BB	676.	0.032	UG/L	0.04
42	104	922	30:44	3	1.362	A BB	1737.	0.053	UG/L	0.06
43	106	929	30:58	3	1.372	A BB	998.	0.043	UG/L	0.05
44	106	959	31:58	3	1.417	A BB	1054.	0.049	UG/L	0.06

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:30	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:12	1.00	1.284	1.00	9.30	10.00	1.115	1.198	0.93
5	17:00	1.00	0.917	1.00	10.32	10.00	1.347	1.306	1.03
6	23:24	1.00	1.038	1.00	11.55	10.00	2.562	2.218	1.15
7	1:44		0.182						
8	2:48		0.295						
9	3:06		0.326						
10	4:12		0.442						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:20	1.01	0.667	1.01	0.31	15.00	0.022	1.068	0.02
12	6:54	1.01	0.726	1.01	5.21	75.00	0.006	0.091	0.07
13	7:02	1.02	0.740	1.02	1.65	75.00	0.000	0.003	0.02
14	7:50	1.02	0.825	1.01	0.04	15.00	0.009	3.365	0.00
15	7:40		0.807						
16	9:02	1.00	0.951	1.00	0.04	15.00	0.005	1.622	0.00
17	10:16		1.081						
18	11:00	1.01	1.158	1.00	0.01	15.00	0.002	1.719	0.00
19	11:34	1.01	1.218	1.00	0.05	15.00	0.010	3.282	0.00
20	12:18	1.00	1.295	1.00	0.01	15.00	0.001	1.385	0.00
21	12:12	1.01	0.658	1.00	0.17	75.00	0.000	0.014	0.00
22	13:32	1.00	0.730	1.00	0.04	15.00	0.003	0.944	0.00
23	13:32		0.730						
24	14:06	1.00	0.761	1.00	0.71	30.00	0.001	0.063	0.02
25	14:28	1.00	0.781	1.00	0.01	15.00	0.000	0.816	0.00
26	15:48	1.01	0.853	1.00	0.00	15.00	0.000	0.637	0.00
27	16:04	1.00	0.867	1.00	0.02	24.30	0.000	0.510	0.00
28	16:38	1.00	0.897	1.00	0.14	15.00	0.009	0.961	0.01
29	17:14		0.930						
30	17:20		0.935						
31	17:08		0.924						
32	17:20	1.00	0.935	1.00	0.01	5.70	0.001	1.305	0.00
33	18:32	1.00	1.000	1.00	10.34	15.00	0.007	0.011	0.69
34	19:54	1.01	1.074	1.00	0.00	15.00	0.000	0.447	0.00
35	20:22	1.01	0.904	1.01	0.36	30.00	0.005	0.400	0.01
36	21:56	1.00	0.973	1.00	0.44	30.00	0.004	0.244	0.01
37	22:16	1.00	0.988	1.00	0.04	15.00	0.005	1.620	0.00
38	22:14	1.00	0.987	1.00	0.01	15.00	0.000	0.519	0.00
39	23:36	1.00	1.047	1.00	0.07	15.00	0.009	1.973	0.00
40	24:44	1.01	1.098	1.00	0.03	15.00	0.006	2.671	0.00
41	26:40	1.00	1.183	1.00	0.03	15.00	0.003	1.349	0.00
42	30:36	1.00	1.358	1.00	0.05	15.00	0.007	2.097	0.00
43	30:52	1.00	1.370	1.00	0.04	15.00	0.004	1.465	0.00
44	31:50	1.00	1.413	1.00	0.05	15.00	0.004	1.363	0.00

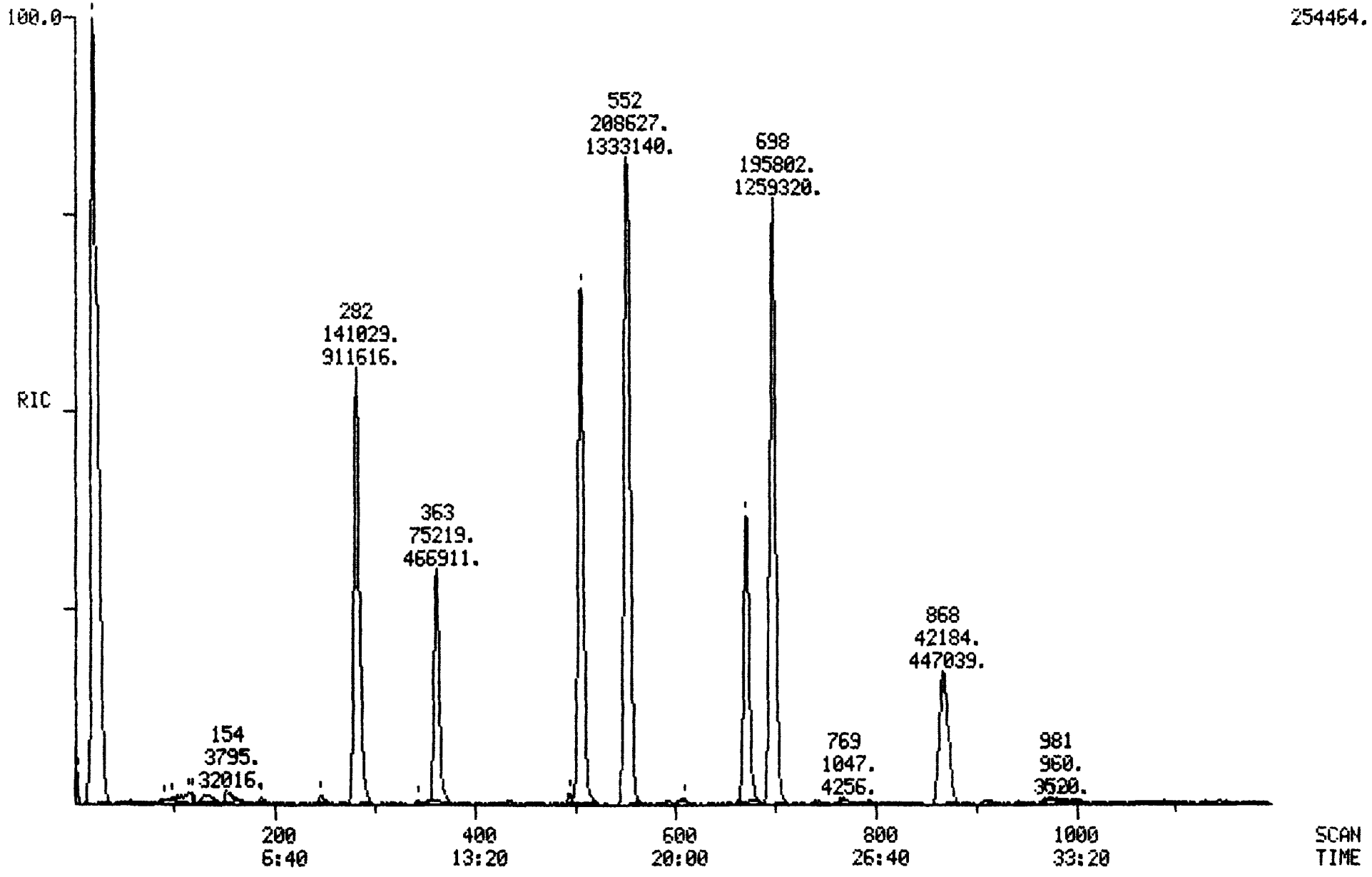
PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 14:07:37
DATA FILE: 0526BLK1
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	4	0	6	6	1	41	VP_IS/VP_SURR
3	3	1	0	12	5	2	78	VP_IS/VP_CMPDS1
3	3	1	0	12	4	2	56	VP_IS/VP_CMPDS2
3	3	1	0	12	5	1	81	VP_IS/VP_CMPDS3
3	3	1	0	14	8	4	82	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 16 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	283	282	282	.	1	971	.	128	282	.	1
2	VP	2	553	552	552	.	4	993	.	77	552	.	1
3	VP	3	672	671	671	.	1	993	.	55	671	.	1
4	VP	4	363	362	363	1	1	986	.	65	363	.	1
5	VP	5	507	506	506	.	1	969	.	84	506	.	1
6	VP	6	699	698	698	.	1	998	.	98	698	.	1
7	VP	7	53	54	.	.	.	.	.	50	.	.	.
8	VP	8	83	83	.	.	.	.	.	94	.	.	.
9	VP	9	92	92	.	.	.	.	.	62	91	.	1
10	VP	10	124	124	.	.	.	.	.	64	123	.	1
11	VP	11	188	188	188	.	1	950	.	84	188	.	1
12	VP	12	205	205	.	.	.	.	.	43	207	.	2
13	VP	13	212	212	.	.	.	.	.	56	.	.	.
14	VP	14	233	233	234	1	2	915	.	76	234	.	1
15	VP	15	229	229	.	.	.	.	.	53	.	.	.
16	VP	16	268	267	.	.	.	.	.	96	268	.	1
17	VP	17	305	304	.	.	.	.	.	63	305	.	1
18	VP	18	328	327	.	.	.	.	.	96	327	.	1
19	VP	19	344	343	.	.	.	.	.	83	344	.	1
20	VP	20	366	365	.	.	.	.	.	62	365	.	1
21	VP	21	363	362	363	1	2	984	.	72	363	.	1
22	VP	22	403	402	.	.	.	.	.	97	403	.	1
23	VP	23	403	402	.	.	.	.	.	117	.	.	.
24	VP	24	420	419	.	.	.	.	.	43	420	.	1
25	VP	25	431	430	.	.	.	.	.	83	432	.	1
26	VP	26	471	470	.	.	.	.	.	63	.	.	.
27	VP	27	479	478	.	.	.	.	.	75	479	.	1
28	VP	28	496	495	496	1	1	904	.	130	496	.	1
29	VP	29	514	513	.	.	.	.	.	129	514	.	1
30	VP	30	517	516	.	.	.	.	.	97	517	.	1
31	VP	31	511	510	.	.	.	.	.	78	.	.	.
32	VP	32	517	516	.	.	.	.	.	75	517	.	1
33	VP	33	554	553	552	-1	1	909	.	63	552	.	1
34	VP	34	594	593	.	.	.	.	.	173	594	.	1
35	VP	35	608	607	609	2	2	977	.	43	609	.	1
36	VP	36	655	654	.	.	.	.	.	43	653	.	1
37	VP	37	665	664	.	.	.	.	.	164	665	.	1
38	VP	38	664	663	.	.	.	.	.	83	662	.	1
39	VP	39	704	704	704	.	1	960	.	92	703	-1	1
40	VP	40	738	738	.	.	.	.	.	112	739	.	1
41	VP	41	795	795	.	.	.	.	.	106	796	.	1
42	VP	42	911	911	910	-1	2	988	.	104	910	.	1
43	VP	44	918	918	918	.	1	969	.	106	917	-1	1
44	VP	45	947	947	946	-1	1	968	.	106	946	.	1

RIC DATA: 0526BLK1 #1 SCANS 1 TO 1194
05/26/93 13:26:00 CALI: 0526BLK1 #3
SAMPLE: CLP,1187,,0526BLK1,L,W,,V,BLANK
CONDS.: 45' (3 MIN) TO 220' @ 8'/MIN
RANGE: G 1,1194 LABEL: N 2, 4.0 QUAN: A 2, 4.0 J 0 BASE: U 20, 3



Quantitation Report File: 0526BLK1

Data: 0526BLK1.TI
05/26/93 13:26:00
Sample: CLP,1187,,0526BLK1,L,W,,V,BLANK
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	282	9:24	1	1.000	A BB	146427.	10.000	UG/L	12.35
2	77	552	18:24	2	1.000	A BB	374778.	10.000	UG/L	12.35
3	55	671	22:22	3	1.000	A BB	226699.	10.000	UG/L	12.35
4	65	363	12:06	1	1.287	A BB	147185.	9.009	UG/L	11.13
5	84	506	16:52	2	0.917	A BB	484183.	10.424	UG/L	12.87
6	98	698	23:16	3	1.040	A BB	490448.	10.643	UG/L	13.15
7	NOT	FOUND								
8	NOT	FOUND								
9	62	91	3:02	1	0.323	A BB	927.	0.083	UG/L	0.10
10	64	123	4:06	1	0.436	A BB	163.	0.029	UG/L	0.04
11	84	188	6:16	1	0.667	A BB	5742.	0.371	UG/L	0.46
12	43	207	6:54	1	0.734	A*BV	3522.	2.303	UG/L	2.84
13	NOT	FOUND								
14	76	234	7:48	1	0.830	A BV	542.	0.011	UG/L	0.01
15	NOT	FOUND								
16	96	268	8:56	1	0.950	A BB	673.	0.029	UG/L	0.04
17	63	305	10:10	1	1.082	A BB	37.	0.001	UG/L	0.00
18	96	327	10:54	1	1.160	A BB	56.	0.002	UG/L	0.00
19	83	344	11:28	1	1.220	A BB	1394.	0.029	UG/L	0.04
20	62	365	12:10	1	1.294	A BB	276.	0.013	UG/L	0.02
21	72	363	12:06	2	0.658	A BB	836.	1.302	UG/L	1.61
22	97	403	13:26	2	0.730	A BB	676.	0.019	UG/L	0.02
23	NOT	FOUND								
24	43	420	14:00	2	0.761	A BB	246.	0.082	UG/L	0.10
25	83	432	14:24	2	0.783	A BB	88.	0.003	UG/L	0.00
26	NOT	FOUND								
27	75	479	15:58	2	0.868	A BB	42.	0.002	UG/L	0.00
28	130	496	16:32	2	0.899	A BB	5026.	0.132	UG/L	0.16
29	129	514	17:08	2	0.931	A BB	369.	0.012	UG/L	0.02
30	97	517	17:14	2	0.937	A BB	578.	0.035	UG/L	0.04
31	NOT	FOUND								
32	75	517	17:14	2	0.937	A BB	122.	0.002	UG/L	0.00
33	63	552	18:24	2	1.000	A BB	4296.	15.015	UG/L	18.54
34	173	594	19:48	2	1.076	A BB	1035.	0.048	UG/L	0.06
35	43	609	20:18	3	0.908	A VB	4866.	0.483	UG/L	0.60
36	43	653	21:46	3	0.973	A VV	3961.	0.590	UG/L	0.73
37	164	665	22:10	3	0.991	A BB	423.	0.011	UG/L	0.01
38	83	662	22:04	3	0.987	A BB	1536.	0.113	UG/L	0.14
39	92	703	23:26	3	1.048	A BB	3614.	0.083	UG/L	0.10
40	112	739	24:38	3	1.101	A BB	1107.	0.018	UG/L	0.02
41	106	796	26:32	3	1.186	A BB	500.	0.017	UG/L	0.02
42	104	910	30:20	3	1.356	A BB	2259.	0.045	UG/L	0.06
43	106	917	30:34	3	1.367	A BB	904.	0.028	UG/L	0.04
44	106	946	31:32	3	1.410	A BB	798.	0.026	UG/L	0.03

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:24	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:06	1.00	1.283	1.00	9.01	10.00	1.005	1.116	0.90
5	16:54	1.00	0.917	1.00	10.42	10.00	1.292	1.239	1.04
6	23:18	1.00	1.040	1.00	10.64	10.00	2.163	2.033	1.06
7	1:46		0.187						
8	2:44		0.290						
9	3:04	0.99	0.325	0.99	0.08	30.00	0.002	0.766	0.00
10	4:08	0.99	0.438	1.00	0.03	30.00	0.000	0.385	0.00

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:16	1.00	0.664	1.00	0.37	15.00	0.026	1.056	0.02
12	6:50	1.01	0.724	1.01	2.30	75.00	0.003	0.104	0.03
13	7:04		0.749						
14	7:46	1.00	0.823	1.01	0.01	15.00	0.002	3.360	0.00
15	7:36		0.806						
16	8:56	1.00	0.947	1.00	0.03	15.00	0.003	1.586	0.00
17	10:10	1.00	1.078	1.00	0.00	15.00	0.000	3.107	0.00
18	10:56	1.00	1.159	1.00	0.00	15.00	0.000	1.722	0.00
19	11:28	1.00	1.216	1.00	0.03	15.00	0.006	3.279	0.00
20	12:12	1.00	1.293	1.00	0.01	15.00	0.001	1.415	0.00
21	12:08	1.00	0.658	1.00	1.30	75.00	0.000	0.017	0.02
22	13:26	1.00	0.729	1.00	0.02	15.00	0.001	0.965	0.00
23	13:26		0.729						
24	14:02	1.00	0.761	1.00	0.08	30.00	0.000	0.080	0.00
25	14:22	1.00	0.779	1.00	0.00	15.00	0.000	0.934	0.00
26	15:42		0.852						
27	15:58	1.00	0.866	1.00	0.00	24.30	0.000	0.561	0.00
28	16:32	1.00	0.897	1.00	0.13	15.00	0.009	1.012	0.01
29	17:08	1.00	0.929	1.00	0.01	15.00	0.001	0.792	0.00
30	17:14	1.00	0.935	1.00	0.04	15.00	0.001	0.439	0.00
31	17:02		0.924						
32	17:14	1.00	0.935	1.00	0.00	5.70	0.001	1.461	0.00
33	18:26	1.00	1.000	1.00	15.01	15.00	0.008	0.008	1.00
34	19:48	1.00	1.074	1.00	0.05	15.00	0.002	0.576	0.00
35	20:16	1.00	0.905	1.00	0.48	30.00	0.007	0.444	0.02
36	21:50	1.00	0.975	1.00	0.59	30.00	0.006	0.296	0.02
37	22:10	1.00	0.990	1.00	0.01	15.00	0.001	1.625	0.00
38	22:06	1.00	0.987	1.00	0.11	15.00	0.005	0.600	0.01
39	23:28	1.00	1.048	1.00	0.08	15.00	0.011	1.926	0.01
40	24:36	1.00	1.098	1.00	0.02	15.00	0.003	2.719	0.00
41	26:30	1.00	1.183	1.00	0.02	15.00	0.001	1.312	0.00
42	30:22	1.00	1.356	1.00	0.05	15.00	0.007	2.194	0.00
43	30:38	1.00	1.368	1.00	0.03	15.00	0.003	1.404	0.00
44	31:34	1.00	1.409	1.00	0.03	15.00	0.002	1.366	0.00

ASK DESC:VO NUMBER OF ENTRIES: 11 CURRENT INDEX: 4 18 MAY 93

NO.	VIAL	FILE	SAMPLE
1	1	BLANK3	BLANK CHECK **
2	2	IC050517	CLP,1180,,IC050517,L,W,,V,IC **
3	3	IC100517	CLP,1180,,IC100517,L,W,,V,IC **
4	4	IC150517	CLP,1180,,IC150517,L,W,,V,IC **
5	5	IC200517	CLP,1180,,IC200517,L,W,,V,IC
6	6	IC250517	CLP,1180,,IC250517,L,W,,V,IC
7	7	0517BLK1	CLP,1180,,0517BLK1,L,W,,V,BLK
8	8	0517BLK2	CLP,1180,,0517BLK2,L,W,,V,BLK
9	9	ICHK0517	CLP,1180,,ICHK0517,L,W,,V
10	10	0517BLK3	CLP,1180,,0517BLK3,L,W,,V,BLK
11	11	BAKE1	BAKEOUT

ASK DESC:VO NUMBER OF ENTRIES: [illegible] CURRENT INDEX: 1 17 MAY 93

ENTRY NO.: 1 FILE NAME: BLANK3
SAMPLE: BLANK CHECK
CONDS.: 45' (3MIN) TO 220 @ [illegible] MIN
FORMULA: ANALYST : AGG WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: [illegible] SPEC DESC: [illegible] VIAL NO: 1

ENTRY NO.: 2 FILE NAME: IC050517
SAMPLE: CLP,1180,,IC050517,L[illegible] V,IC
CONDS.: 45' (3MIN) TO 220 @ [illegible] MIN
FORMULA: ANALYST : AGG WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SPEC DESC: [illegible] VIAL NO: 2

ENTRY NO.: 3 FILE NAME: IC100517
SAMPLE: CLP,1180,,IC100517,L[illegible] V,IC
CONDS.: 45' (3MIN) TO 220 @ [illegible] MIN
FORMULA: ANALYST : AGG WEIGHT: 0.000
SUBMITTED BY: ACCT. NO: PROC:DOTCA
AS-DESC: VO GC-DESC: VO SPEC DESC: [illegible] VIAL NO: 3

PROCEDURE: TCA DIAGNOSTIC REPORT 5/17/93 14:26:32
DATA FILE: BLANK1
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< STANDARDS				>< PLUS UNKNOWNS				>< LIST NAMES >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	55	6	6	1	34	VP_IS/VP_SURR
3	3	1	55	12	6	1	237	VP_IS/VP_CMPDS1
3	3	1	55	12	3	1	55	VP_IS/VP_CMPDS2
3	3	1	55	12	4	1	57	VP_IS/VP_CMPDS3
3	3	1	55	14	6	2	148	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 13 FOUND

< COMPOUND			>< SEARCH						>< SAT	>< CHRO			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	280	282	282	.	2	979	.	128	282	.	1
2	VP	2	553	555	555	.	1	981	.	77	555	.	1
3	VP	3	673	676	676	.	1	987	.	55	676	.	1
4	VP	4	362	364	364	.	1	977	.	65	364	.	1
5	VP	5	506	508	508	.	1	972	.	84	508	.	1
6	VP	6	699	702	702	.	1	997	.	98	702	.	1
7	VP	7	-50	53	.	.	.	.	.	50	.	.	.
8	VP	8	-80	83	.	.	.	.	.	94	.	.	.
9	VP	9	-88	91	.	.	.	.	.	62	.	.	.
10	VP	10	-119	122	.	.	.	.	.	64	.	.	.
11	VP	11	184	187	186	-1	1	922	.	84	.	.	.
12	VP	12	-204	207	.	.	.	.	.	43	.	.	.
13	VP	13	203	206	210	4	1	627	.	56	208	-2	1
14	VP	14	230	233	231	-2	1	1000	.	76	231	.	1
15	VP	15	-226	229	.	.	.	.	.	53	.	.	.
16	VP	16	-265	267	.	.	.	.	.	96	268	.	1
17	VP	17	-303	305	.	.	.	.	.	63	.	.	.
18	VP	18	-325	327	.	.	.	.	.	96	.	.	.
19	VP	19	-343	345	.	.	.	.	.	83	345	.	1
20	VP	20	-365	367	.	.	.	.	.	62	366	.	1
21	VP	21	363	365	.	.	.	.	.	72	.	.	.
22	VP	22	-402	404	.	.	.	.	.	97	404	.	1
23	VP	23	-402	404	.	.	.	.	.	117	.	.	.
24	VP	24	-420	422	.	.	.	.	.	43	.	.	.
25	VP	25	-431	433	.	.	.	.	.	83	434	.	1
26	VP	26	-470	472	.	.	.	.	.	63	474	.	2
27	VP	27	-478	480	.	.	.	.	.	75	.	.	.
28	VP	28	-495	497	498	1	1	930	.	130	498	.	1
29	VP	29	-514	517	.	.	.	.	.	129	.	.	.
30	VP	30	-517	520	.	.	.	.	.	97	.	.	.
31	VP	31	-511	514	.	.	.	.	.	78	.	.	.
32	VP	32	-516	519	.	.	.	.	.	75	.	.	.
33	VP	33	-549	552	.	.	.	.	.	63	.	.	.
34	VP	34	-595	598	.	.	.	.	.	173	.	.	.
35	VP	35	-608	611	609	-2	2	910	.	43	.	.	.
36	VP	36	-655	658	.	.	.	.	.	43	.	.	.
37	VP	37	-666	669	.	.	.	.	.	164	668	.	1
38	VP	38	-665	668	.	.	.	.	.	83	.	.	.
39	VP	39	705	709	.	.	.	.	.	92	707	.	1
40	VP	40	-741	745	.	.	.	.	.	112	744	.	1
41	VP	41	797	801	.	.	.	.	.	106	802	.	1
42	VP	42	920	925	.	.	.	.	.	104	.	.	.
43	VP	44	923	928	928	.	1	957	.	106	930	2	1
44	VP	45	951	956	958	2	1	976	.	106	956	-2	1

Quantitation Report File: BLANK1

Data: BLANK1.TI
05/17/93 13:34:00
Sample: BAKE
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCUS1 Weight: 0.000
Submitted by: Analyst: AGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. Fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	282	9:24	1	1.000	A BB	282137.	10.000 UG/L	17.14
2	77	555	18:30	2	1.000	A BB	969948.	10.000 UG/L	17.14
3	55	676	22:32	3	1.000	A BB	452974.	10.000 UG/L	17.14
4	65	364	12:08	1	1.291	A BB	208746.	9.606 UG/L	16.47
5	84	508	16:56	2	0.915	A BB	1003740.	9.958 UG/L	17.07
6	98	702	23:24	3	1.038	A BB	1035830.	8.191 UG/L	14.04
7	NOT FOUND								
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	NOT FOUND								
12	NOT FOUND								
13	56	208	6:56	1	0.738	A VV	124.	0.293 UG/L	0.50
14	76	231	7:42	1	0.819	A BV	4520.	0.050 UG/L	0.09
15	NOT FOUND								
16	96	260	8:56	1	0.950	A BB	508.	0.011 UG/L	0.02
17	NOT FOUND								
18	NOT FOUND								
19	80	345	11.30	1	1.223	A BB	2036.	0.023 UG/L	0.04
20	62	366	12.12	1	1.298	A BB	110.	0.003 UG/L	0.01
21	NOT FOUND								
22	97	404	13:28	2	0.728	A BB	955.	0.015 UG/L	0.03
23	NOT FOUND								
24	NOT FOUND								
25	83	434	14:28	2	0.782	A BB	327.	0.005 UG/L	0.01
26	63	474	15:48	2	0.854	A*BB	205.	0.004 UG/L	0.01
27	NOT FOUND								
28	130	490	16:36	2	0.897	A BB	5839.	0.085 UG/L	0.15
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	NOT FOUND								
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	164	668	22:16	3	0.988	A BB	41.	0.001 UG/L	0.00
38	NOT FOUND								
39	92	707	23:34	3	1.046	A BB	3046.	0.043 UG/L	0.07
40	112	744	24:48	3	1.101	A BB	54.	0.001 UG/L	0.00
41	106	802	26:44	3	1.186	A BB	300.	0.006 UG/L	0.01
42	NOT FOUND								
43	106	930	31:00	3	1.376	A BV	1135.	0.022 UG/L	0.04
44	106	956	31:52	3	1.414	A BB	1060.	0.022 UG/L	0.04

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.01	1.293	1.00	9.61	10.00	0.740	0.770	0.96
5	16:52	1.00	0.915	1.00	9.96	10.00	1.035	1.039	1.00
6	23:18	1.00	1.039	1.00	8.19	10.00	2.287	2.792	0.82
7	1:42		0.182						
8	2:40		0.286						
9	2:56		0.314						
10	4:00		0.429						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10		0.661						
12	6:48		0.729						
13	6:54	1.00	0.739	1.00	0.29	75.00	0.000	0.015	0.00
14	7:38	1.01	0.818	1.00	0.05	15.00	0.011	3.191	0.00
15	7:34		0.811						
16	8:50	1.01	0.946	1.00	0.01	15.00	0.001	1.634	0.00
17	10:06		1.082						
18	10:50		1.161						
19	11:26	1.01	1.225	1.00	0.02	15.00	0.005	3.204	0.00
20	12:10	1.00	1.304	1.00	0.00	15.00	0.000	1.154	0.00
21	12:06		0.656						
22	13:24	1.00	0.727	1.00	0.01	15.00	0.001	0.658	0.00
23	13:46		0.747						
24	14:00		0.759						
25	14:20	1.01	0.778	1.01	0.00	15.00	0.000	0.719	0.00
26	15:40	1.01	0.850	1.00	0.00	15.00	0.000	0.586	0.00
27	15:56		0.864						
28	16:30	1.01	0.895	1.00	0.08	15.00	0.004	0.711	0.01
29	17:08		0.929						
30	17:14		0.935						
31	17:02		0.924						
32	17:14		0.935						
33	18:18		0.993						
34	19:50		1.076						
35	20:16		0.903						
36	21:50		0.973						
37	22:12	1.00	0.990	1.00	0.00	15.00	0.000	1.156	0.00
38	22:08		0.987						
39	23:30	1.00	1.048	1.00	0.04	15.00	0.004	1.553	0.00
40	24:38	1.01	1.098	1.00	0.00	15.00	0.000	1.985	0.00
41	26:34	1.01	1.184	1.00	0.01	15.00	0.000	1.039	0.00
42	30:30		1.360						
43	30:44	1.01	1.370	1.00	0.02	15.00	0.002	1.128	0.00
44	31:42	1.01	1.413	1.00	0.02	15.00	0.002	1.081	0.00

TCA FINISHED, 13 FOUND
FINISHED AT: 5/17/93 14:32:23

PROCEDURE: TCA DIAGNOSTIC REPORT 5/17/93 15:43:59
DATA FILE: BLANK2
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ----- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	0	6	6	1	46	VP_IS/VP_SURR
3	3	1	0	12	4	1	0	VP_IS/VP_CMPDS1
3	3	1	0	12	3	1	0	VP_IS/VP_CMPDS2
3	3	1	0	12	3	1	0	VP_IS/VP_CMPDS3
3	3	1	0	14	4	2	58	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 8 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	282	282	282	.	1	978	.	128	282	.	1
2	VP	2	555	555	555	.	1	982	.	77	555	.	1
3	VP	3	676	676	676	.	1	988	.	55	676	.	1
4	VP	4	364	364	364	.	1	980	.	65	364	.	1
5	VP	5	508	508	509	1	1	974	.	84	509	.	1
6	VP	6	702	702	702	.	1	995	.	98	702	.	1
7	VP	7	-53	53	.	.	.	.	.	50	54	.	1
8	VP	8	-83	83	.	.	.	.	.	94	.	.	.
9	VP	9	-91	91	.	.	.	.	.	62	.	.	.
10	VP	10	-122	122	.	.	.	.	.	64	.	.	.
11	VP	11	186	186	.	.	.	.	.	84	185	.	1
12	VP	12	-207	207	.	.	.	.	.	43	.	.	.
13	VP	13	210	210	.	.	.	.	.	56	212	.	1
14	VP	14	231	231	231	.	1	915	.	76	231	.	1
15	VP	15	-229	229	.	.	.	.	.	53	.	.	.
16	VP	16	-267	267	.	.	.	.	.	96	269	.	1
17	VP	17	-305	305	.	.	.	.	.	63	.	.	.
18	VP	18	-327	327	.	.	.	.	.	96	.	.	.
19	VP	19	-345	345	.	.	.	.	.	83	344	.	1
20	VP	20	-367	367	.	.	.	.	.	62	.	.	.
21	VP	21	-365	365	.	.	.	.	.	72	.	.	.
22	VP	22	-404	404	.	.	.	.	.	97	404	.	1
23	VP	23	-404	404	.	.	.	.	.	117	.	.	.
24	VP	24	-422	422	.	.	.	.	.	43	.	.	.
25	VP	25	-433	433	.	.	.	.	.	83	.	.	.
26	VP	26	-472	472	.	.	.	.	.	63	.	.	.
27	VP	27	-480	480	.	.	.	.	.	75	482	.	1
28	VP	28	498	498	.	.	.	.	.	130	497	.	1
29	VP	29	-517	517	.	.	.	.	.	129	.	.	.
30	VP	30	-520	520	.	.	.	.	.	97	.	.	.
31	VP	31	-514	514	.	.	.	.	.	78	.	.	.
32	VP	32	-519	519	.	.	.	.	.	75	.	.	.
33	VP	33	-552	552	.	.	.	.	.	63	.	.	.
34	VP	34	-598	598	.	.	.	.	.	173	.	.	.
35	VP	35	609	609	610	1	2	936	.	43	612	2	1
36	VP	36	-658	658	.	.	.	.	.	43	.	.	.
37	VP	37	-669	669	.	.	.	.	.	164	.	.	.
38	VP	38	-668	668	.	.	.	.	.	83	.	.	.
39	VP	39	-709	709	.	.	.	.	.	92	.	.	.
40	VP	40	-745	745	.	.	.	.	.	112	.	.	.
41	VP	41	-801	801	.	.	.	.	.	106	.	.	.
42	VP	42	-925	926	.	.	.	.	.	104	925	.	1
43	VP	44	928	929	.	.	.	.	.	106	.	.	.
44	VP	45	958	959	.	.	.	.	.	106	.	.	.

Quantitation Report File: BLANK2

Data: BLANK2.TI
05/17/93 14:43:00
Sample: BLANK CHECK
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: AGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	282	9:24	1	1.000	A BB	52794.	10.000 UG/L	9.94
2	77	555	18:30	2	1.000	A BB	178575.	10.000 UG/L	9.94
3	55	676	22:32	3	1.000	A BB	85486.	10.000 UG/L	9.94
4	65	364	12:08	1	1.291	A BB	96181.	23.653 UG/L	23.52
5	84	509	16:58	2	0.917	A BB	468743.	25.260 UG/L	25.11
6	98	702	23:24	3	1.038	A BB	470400.	19.710 UG/L	19.60
7	50	54	1:48	1	0.191	A VB	37.	0.050 UG/L	0.05
8	NOT	FOUND							
9	NOT	FOUND							
10	NOT	FOUND							
11	84	185	6:10	1	0.656	A BV	456.	0.123 UG/L	0.12
12	NOT	FOUND							
13	56	212	7:04	1	0.752	A BB	90.	1.135 UG/L	1.13
14	76	231	7:42	1	0.819	A BB	1005.	0.060 UG/L	0.06
15	NOT	FOUND							
16	96	269	8:58	1	0.954	A BB	78.	0.009 UG/L	0.01
17	NOT	FOUND							
18	NOT	FOUND							
19	83	344	11:28	1	1.220	A BB	868.	0.051 UG/L	0.05
20	NOT	FOUND							
21	NOT	FOUND							
22	97	404	13:28	2	0.728	A BB	285.	0.024 UG/L	0.02
23	NOT	FOUND							
24	NOT	FOUND							
25	NOT	FOUND							
26	NOT	FOUND							
27	[illegible]	482	16:04	2	0.868	A BB	226.	0.018 UG/L	0.02
28	[illegible]	497	16:34	2	0.895	A BB	2465.	0.194 UG/L	0.19
29	NOT	FOUND							
30	NOT	FOUND							
31	NOT	FOUND							
32	NOT	FOUND							
33	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
34	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
35	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
36	NOT	FOUND							
37	NOT	FOUND							
38	NOT	FOUND							
39	NOT	FOUND							
40	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
41	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
42	104	925	20:30	3	1.368	A BB	[illegible]	[illegible]	[illegible]
43	NOT	FOUND							
44	NOT	FOUND							

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R Fac(L)	Ratio
1	9:20	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.01	1.293	1.00	23.65	10.00	1.822	0.770	2.37
5	16:52	1.01	0.915	1.00	25.26	10.00	2.625	1.039	2.53
6	23:18	1.00	1.039	1.00	19.71	10.00	5.503	2.792	1.97
7	1:42	1.06	0.182	1.05	0.05	30.00	0.000	0.142	0.00
8	2:40		0.286						
9	2:56		0.314						
10	4:00		0.429						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	1.00	0.661	0.99	0.12	15.00	0.006	0.702	0.01
12	6:48		0.729						
13	6:54	1.02	0.739	1.02	1.14	75.00	0.000	0.015	0.02
14	7:38	1.01	0.818	1.00	0.06	15.00	0.013	3.191	0.00
15	7:34		0.811						
16	8:50	1.02	0.946	1.01	0.01	15.00	0.001	1.634	0.00
17	10:06		1.082						
18	10:50		1.161						
19	11:26	1.00	1.225	1.00	0.05	15.00	0.011	3.204	0.00
20	12:10		1.304						
21	12:06		0.656						
22	13:24	1.00	0.727	1.00	0.02	15.00	0.001	0.658	0.00
23	13:46		0.747						
24	14:00		0.759						
25	14:20		0.778						
26	15:40		0.850						
27	15:56	1.01	0.864	1.00	0.02	24.30	0.001	0.698	0.00
28	16:30	1.00	0.895	1.00	0.19	15.00	0.009	0.711	0.01
29	17:08		0.929						
30	17:14		0.935						
31	17:02		0.924						
32	17:14		0.935						
33	18:18		0.993						
34	19:50		1.076						
35	20:16	1.01	0.903	1.00	0.30	30.00	0.003	0.342	0.01
36	21:50		0.973						
37	22:12		0.990						
38	22:08		0.987						
39	23:30		1.048						
40	24:38		1.098						
41	26:34		1.184						
42	30:30	1.01	1.360	1.01	0.00	15.00	0.001	1.708	0.00
43	30:44		1.370						
44	31:42		1.413						

TCA FINISHED, 8 FOUND
FINISHED AT: 5/17/93 15:49:29

PROCEDURE: TCA DIAGNOSTIC REPORT 5/17/93 17:30:26
DATA FILE: BLANK3
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	1	31	6	6	1	32	VP_IS/VP_SURR
3	3	1	31	12	5	4	127	VP_IS/VP_CMPDS1
3	3	1	31	12	4	1	44	VP_IS/VP_CMPDS2
3	3	1	31	12	5	1	217	VP_IS/VP_CMPDS3
3	3	1	31	14	4	2	148	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 12 FOUND

< COMPOUND ><				---------- SEARCH ---------- >< SAT ><					------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	282	282	282	.	1	979	.	128	282	.	1
2	VP	2	555	554	554	.	1	975	.	77	554	.	1
3	VP	3	676	674	674	.	1	985	.	55	674	.	1
4	VP	4	364	363	363	.	1	979	.	65	363	.	1
5	VP	5	509	508	508	.	1	972	.	84	508	.	1
6	VP	6	702	700	700	.	1	998	.	98	701	1	1
7	VP	7	-53	55	.	.	.	.	.	50	55	.	1
8	VP	8	-83	85	.	.	.	.	.	94	.	.	.
9	VP	9	-91	93	.	.	.	.	.	62	.	.	.
10	VP	10	-122	124	.	.	.	.	.	64	.	.	.
11	VP	11	-186	187	.	.	.	.	.	84	189	.	1
12	VP	12	-207	208	.	.	.	.	.	43	207	.	1
13	VP	13	-210	211	213	2	4	695	.	56	213	.	1
14	VP	14	231	232	231	-1	1	917	.	76	231	.	1
15	VP	15	-229	230	.	.	.	.	.	53	.	.	.
16	VP	16	-267	267	.	.	.	.	.	96	267	.	1
17	VP	17	-305	305	.	.	.	.	.	63	.	.	.
18	VP	18	-327	327	.	.	.	.	.	96	.	.	.
19	VP	19	-345	345	.	.	.	.	.	83	344	.	1
20	VP	20	-367	366	.	.	.	.	.	62	364	.	1
21	VP	21	-365	364	364	.	1	920	.	72	364	.	1
22	VP	22	-404	403	.	.	.	.	.	97	403	.	1
23	VP	23	-404	403	.	.	.	.	.	117	.	.	.
24	VP	24	-422	421	.	.	.	.	.	43	.	.	.
25	VP	25	-433	433	.	.	.	.	.	83	431	.	2
26	VP	26	-472	472	.	.	.	.	.	63	473	.	1
27	VP	27	-480	480	.	.	.	.	.	75	.	.	.
28	VP	28	-498	498	497	-1	1	902	.	130	497	.	1
29	VP	29	-517	517	.	.	.	.	.	129	.	.	.
30	VP	30	-520	520	.	.	.	.	.	97	.	.	.
31	VP	31	-514	514	.	.	.	.	.	78	.	.	.
32	VP	32	-519	519	.	.	.	.	.	75	.	.	.
33	VP	33	-552	552	555	3	1	910	.	63	555	.	1
34	VP	34	-598	597	.	.	.	.	.	173	.	.	.
35	VP	35	610	609	611	2	2	915	.	43	.	.	.
36	VP	36	-658	657	.	.	.	.	.	43	.	.	.
37	VP	37	-669	668	.	.	.	.	.	164	.	.	.
38	VP	38	-668	667	.	.	.	.	.	83	.	.	.
39	VP	39	-709	708	.	.	.	.	.	92	706	.	1
40	VP	40	-745	744	.	.	.	.	.	112	742	.	1
41	VP	41	-801	800	.	.	.	.	.	106	800	.	1
42	VP	42	-926	924	.	.	.	.	.	104	.	.	.
43	VP	44	-929	927	.	.	.	.	.	106	929	.	2
44	VP	45	-959	957	.	.	.	.	.	106	.	.	.

Quantitation Report File: BLANK3

Data: BLANK3.TI
05/17/93 16:41:00
Sample: BLANK CHECK
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: AGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-%/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	282	9:24	1	1.000	A BB	156711.	10.000 UG/L	15.49
2	77	554	18:28	2	1.000	A BB	623512.	10.000 UG/L	15.49
3	55	674	22:28	3	1.000	A BB	374790.	10.000 UG/L	15.49
4	65	363	12:06	1	1.287	A BB	156729.	12.985 UG/L	20.12
5	84	508	16:56	2	0.917	A BB	667808.	10.307 UG/L	15.97
6	98	701	23:22	3	1.040	A BB	675447.	6.455 UG/L	10.00
7	50	55	1:50	1	0.195	A BB	48.	0.022 UG/L	0.03
8	NOT FOUND								
9	NOT FOUND								
10	NOT FOUND								
11	84	189	6:18	1	0.670	A BV	1439.	0.131 UG/L	0.20
12	43	207	6:54	1	0.734	A BV	2030.	1.913 UG/L	2.96
13	56	213	7:06	1	0.755	A BB	287.	1.219 UG/L	1.89
14	76	231	7:42	1	0.819	A BB	866.	0.017 UG/L	0.03
15	NOT FOUND								
16	96	267	8:54	1	0.947	A BB	213.	0.008 UG/L	0.01
17	NOT FOUND								
18	NOT FOUND								
19	83	344	11:28	1	1.220	A BB	1300.	0.026 UG/L	0.04
20	62	364	12:08	1	1.291	A BB	64.	0.004 UG/L	0.01
21	72	364	12:08	2	0.657	A BB	637.	0.697 UG/L	1.08
22	97	403	13:26	2	0.727	A BB	733.	0.018 UG/L	0.03
23	NOT FOUND								
24	NOT FOUND								
25	83	431	14:22	2	0.778	A*BB	153.	0.003 UG/L	0.01
26	63	473	15:46	2	0.854	A BB	102.	0.003 UG/L	0.00
27	NOT FOUND								
28	130	497	16:34	2	0.897	A BB	3554.	0.080 UG/L	0.12
29	NOT FOUND								
30	NOT FOUND								
31	NOT FOUND								
32	NOT FOUND								
33	63	555	18:30	2	1.002	A BB	5929.	0.616 UG/L	0.95
34	NOT FOUND								
35	NOT FOUND								
36	NOT FOUND								
37	NOT FOUND								
38	NOT FOUND								
39	92	706	23:32	3	1.047	A BB	2044.	0.035 UG/L	0.05
40	112	742	24:44	3	1.101	A BB	195.	0.003 UG/L	0.00
41	106	800	26:40	3	1.187	A BB	42.	0.001 UG/L	0.00
42	NOT FOUND								
43	106	929	30:58	3	1.378	A*VB	205.	0.005 UG/L	0.01
44	NOT FOUND								

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.00	1.293	1.00	12.98	10.00	1.000	0.770	1.30
5	16:52	1.00	0.915	1.00	10.31	10.00	1.071	1.039	1.03
6	23:18	1.00	1.039	1.00	6.46	10.00	1.802	2.792	0.65
7	1:42	1.08	0.182	1.07	0.02	30.00	0.000	0.142	0.00
8	2:40		0.286						
9	2:56		0.314						
10	4:00		0.429						

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	1.02	0.661	1.01	0.13	15.00	0.006	0.702	0.01
12	6:48	1.01	0.729	1.01	1.91	75.00	0.002	0.068	0.03
13	6:54	1.03	0.739	1.02	1.22	75.00	0.000	0.015	0.02
14	7:38	1.01	0.818	1.00	0.02	15.00	0.004	3.191	0.00
15	7:34		0.811						
16	8:50	1.01	0.946	1.00	0.01	15.00	0.001	1.634	0.00
17	10:06		1.082						
18	10:50		1.161						
19	11:26	1.00	1.225	1.00	0.03	15.00	0.006	3.204	0.00
20	12:10	1.00	1.304	0.99	0.00	15.00	0.000	1.154	0.00
21	12:06	1.00	0.656	1.00	0.70	75.00	0.000	0.015	0.01
22	13:24	1.00	0.727	1.00	0.02	15.00	0.001	0.658	0.00
23	13:46		0.747						
24	14:00		0.759						
25	14:20	1.00	0.778	1.00	0.00	15.00	0.000	0.719	0.00
26	15:40	1.01	0.850	1.00	0.00	15.00	0.000	0.586	0.00
27	15:56		0.864						
28	16:30	1.00	0.895	1.00	0.08	15.00	0.004	0.711	0.01
29	17:08		0.929						
30	17:14		0.935						
31	17:02		0.924						
32	17:14		0.935						
33	18:18	1.01	0.993	1.01	0.62	15.00	0.006	0.154	0.04
34	19:50		1.076						
35	20:16		0.903						
36	21:50		0.973						
37	22:12		0.990						
38	22:08		0.987						
39	23:30	1.00	1.048	1.00	0.04	15.00	0.004	1.553	0.00
40	24:38	1.00	1.098	1.00	0.00	15.00	0.000	1.985	0.00
41	26:34	1.00	1.184	1.00	0.00	15.00	0.000	1.039	0.00
42	30:30		1.360						
43	30:44	1.01	1.370	1.01	0.00	15.00	0.000	1.128	0.00
44	31:42		1.413						

TCA FINISHED, 12 FOUND
FINISHED AT: 5/17/93 17:36:02

PROCEDURE: TCA DIAGNOSTIC REPORT 5/17/93 18:27:25
DATA FILE: IC050517
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	2	2	91	6	5	1	76	VP_IS/VP_SURR
3	3	1	49	12	12	1	139	VP_IS/VP_CMPDS1
3	3	1	49	12	4	1	35	VP_IS/VP_CMPDS2
3	3	1	49	12	4	1	92	VP_IS/VP_CMPDS3
3	3	1	49	14	8	2	250	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 20 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT ><							------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	282	283	282	-1	1	978	.	128	282	.	1
2	VP	2	554	556	556	.	2	981	.	77	557	1	1
3	VP	3	674	676	.	.	.	.	.	55	678	.	1
4	VP	4	363	364	.	.	.	.	.	65	363	.	1
5	VP	5	508	510	510	.	1	986	.	84	510	.	1
6	VP	6	700	703	704	1	1	968	.	98	704	.	1
7	VP	7	-55	52	51	-1	1	980	.	50	51	.	1
8	VP	8	-85	82	80	-2	1	1000	.	94	79	-1	1
9	VP	9	-93	90	90	.	1	1000	.	62	90	.	1
10	VP	10	-124	121	121	.	1	997	.	64	121	.	1
11	VP	11	-187	185	186	1	1	973	.	84	186	.	1
12	VP	12	-208	206	205	-1	1	851	.	43	205	.	1
13	VP	13	213	211	210	-1	1	741	.	56	211	1	1
14	VP	14	231	229	232	3	1	997	.	76	232	.	1
15	VP	15	-230	228	230	2	1	943	.	53	229	-1	1
16	VP	16	-267	267	267	.	1	952	.	96	267	.	1
17	VP	17	-305	305	.	.	.	.	.	63	304	.	1
18	VP	18	-327	327	.	.	.	.	.	96	327	.	1
19	VP	19	-345	345	.	.	.	.	.	83	343	.	1
20	VP	20	-366	367	.	.	.	.	.	62	366	.	1
21	VP	21	364	365	.	.	.	.	.	72	.	.	.
22	VP	22	-403	404	.	.	.	.	.	97	404	.	1
23	VP	23	-403	404	.	.	.	.	.	117	.	.	.
24	VP	24	-421	422	.	.	.	.	.	43	421	.	1
25	VP	25	-433	434	.	.	.	.	.	83	434	.	1
26	VP	26	-472	473	.	.	.	.	.	63	473	.	1
27	VP	27	-480	481	.	.	.	.	.	75	483	.	1
28	VP	28	497	498	.	.	.	.	.	130	499	.	1
29	VP	29	-517	518	.	.	.	.	.	129	517	.	1
30	VP	30	-520	521	.	.	.	.	.	97	521	.	1
31	VP	31	-514	515	514	-1	1	939	.	78	514	.	1
32	VP	32	-519	520	.	.	.	.	.	75	520	.	1
33	VP	33	555	556	.	.	.	.	.	63	.	.	.
34	VP	34	-597	598	.	.	.	.	.	173	.	.	.
35	VP	35	611	612	.	.	.	.	.	43	613	.	1
36	VP	36	-657	657	.	.	.	.	.	43	658	.	1
37	VP	37	-668	668	.	.	.	.	.	164	.	.	.
38	VP	38	-667	667	.	.	.	.	.	83	669	.	1
39	VP	39	-708	708	710	2	1	984	.	92	710	.	1
40	VP	40	-744	744	.	.	.	.	.	112	745	.	1
41	VP	41	-800	799	802	3	1	977	.	106	802	.	1
42	VP	42	-924	922	919	-3	1	977	.	104	919	.	1
43	VP	44	-927	925	925	.	1	970	.	106	926	1	1
44	VP	45	-957	955	954	-1	2	969	.	106	955	1	1

Quantitation Report File: IC050517

Data: IC050517.TI
05/17/93 17:36:00
Sample: CLP,1180,,IC050517,L,W,,V,IC
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: AGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	282	9:24	1	1.000	A BB	122096	10.000 UG/L	1.94
2	77	557	18:34	2	1.000	A BB	2550.	10.000 UG/L	1.94
3	55	678	22:36	3	1.000	A BB	2385	10.000 UG/L	1.94
4	65	340	[illegible]	1	1.287	A BB	1704.	0.181 UG/L	0.04
5	[illegible]	510	[illegible]	2	0.916	A BB	4594	17.336 UG/L	3.37
6	[illegible]	[illegible]	[illegible]	3	1.038	A BB	4322	6.492 UG/L	1.26
7	[illegible]	[illegible]	[illegible]	1	0.181	A VB	[illegible]	[illegible]	[illegible]
8	[illegible]	[illegible]	[illegible]	1	[illegible]	A VB	[illegible]	[illegible]	[illegible]
9	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A BB	[illegible]	62.167 UG/L	12.08
10	[illegible]	[illegible]	[illegible]	1	0.429	A BB	57264.	72.951 UG/L	14.17
11	84	186	6:12	1	0.660	A BB	81725.	9.534 UG/L	1.85
12	43	205	6:50	1	0.727	A BB	33380.	40.364 UG/L	7.84
13	56	211	7:02	1	0.748	A BV	[illegible]	[illegible]	[illegible]
14	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	A BB	[illegible]	6.721 UG/L	1.31
[illegible]	[illegible]	[illegible]	[illegible]	1	1.078	A BB	[illegible]	0.041 UG/L	0.01
18	[illegible]	[illegible]	[illegible]	1	1.160	A BB	[illegible]	0.043 UG/L	0.01
19	[illegible]	[illegible]	[illegible]	1	1.216	A BB	[illegible]	0.056 UG/L	0.01
20	[illegible]	[illegible]	[illegible]	1	1.298	A BB	1060	0.075 UG/L	0.01
21	NOT	FOUND							
22	97	404	13:28	2	0.725	A BB	1564.	9.326 UG/L	1.81
23	NOT	FOUND							
24	43	421	14:02	2	0.756	A BB	266	2.951 UG/L	0.57
25	83	434	14:28	2	0.779	A BB	914.	4.983 UG/L	0.97
26	63	473	15:46	2	0.849	A BB	1260.	8.428 UG/L	1.64
27	75	483	16:06	2	0.867	A BB	1185.	6.653 UG/L	1.29
28	130	499	16:38	2	0.896	A BB	1038.	5.728 UG/L	1.11
29	129	517	17:14	2	0.928	A BB	106.	0.641 UG/L	0.12
30	97	521	17:22	2	0.935	A BB	443.	4.711 UG/L	0.92
31	78	514	17:08	2	0.923	A BB	3282.	9.101 UG/L	1.77
32	75	520	17:20	2	0.934	A BB	599.	4.710 UG/L	0.91
33	NOT	FOUND							
34	NOT	FOUND							
35	43	613	20:26	3	0.904	A BB	1107.	13.557 UG/L	2.63
36	43	658	21:56	3	0.971	A BB	714.	13.698 UG/L	2.66
37	NOT	FOUND							
38	83	669	22:18	3	0.987	A BB	279.	1.831 UG/L	0.36
39	92	710	23:40	3	1.047	A BB	1951.	5.268 UG/L	1.02
40	112	745	24:50	3	1.099	A BB	2139.	4.519 UG/L	0.88
41	106	802	26:44	3	1.183	A BB	1020.	4.115 UG/L	0.80
42	104	919	30:38	3	1.355	A BB	1615.	3.965 UG/L	0.77
43	106	926	30:52	3	1.366	A BB	1000.	3.718 UG/L	0.72
44	106	955	31:50	3	1.409	A VB	600.	2.326 UG/L	0.45

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.00	1.293	1.00	0.18	10.00	0.014	0.770	0.02
5	16:52	1.01	0.915	1.00	17.34	10.00	1.801	1.039	1.73
6	23:18	1.01	1.039	1.00	6.49	10.00	1.812	2.792	0.65
7	1:42	1.00	0.182	0.99	68.90	30.00	0.325	0.142	2.30
8	2:40	0.99	0.286	0.98	46.97	30.00	0.148	0.094	1.57
9	2:56	1.02	0.314	1.02	62.17	30.00	0.309	0.149	2.07
10	4:00	1.01	0.429	1.00	72.95	30.00	0.156	0.064	2.43

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	1.01	0.661	1.00	9.53	15.00	0.446	0.702	0.64
12	6:48	1.00	0.729	1.00	40.36	75.00	0.036	0.068	0.54
13	6:54	1.02	0.739	1.01	5.05	75.00	0.001	0.015	0.07
14	7:38	1.01	0.818	1.01	6.84	15.00	1.454	3.191	0.46
15	7:34	1.01	0.811	1.00	31.12	75.00	0.031	0.075	0.41
16	8:50	1.01	0.946	1.00	6.72	15.00	0.732	1.634	0.45
17	10:06	1.00	1.082	1.00	0.06	15.00	0.012	3.014	0.00
18	10:50	1.01	1.161	1.00	0.04	15.00	0.005	1.777	0.00
19	11:26	1.00	1.225	0.99	0.06	15.00	0.012	3.204	0.00
20	12:10	1.00	1.304	1.00	0.08	15.00	0.006	1.154	0.01
21	12:06		0.656						
22	13:24	1.00	0.727	1.00	9.33	15.00	0.409	0.658	0.62
23	13:46		0.747						
24	14.00	1.00	0.759	1.00	2.95	30.00	0.035	0.354	0.10
25	14:20	1.01	0.778	1.00	4.98	15.00	0.239	0.719	0.33
26	15:40	1.01	0.850	1.00	8.43	15.00	0.329	0.586	0.56
27	15:56	1.01	0.864	1.00	6.65	24.30	0.191	0.698	0.27
28	16:30	1.01	0.895	1.00	5.73	15.00	0.271	0.711	0.38
29	17:08	1.01	0.929	1.00	0.64	15.00	0.028	0.649	0.04
30	17:14	1.01	0.935	1.00	4.71	15.00	0.116	0.369	0.31
31	17:02	1.01	0.924	1.00	9.10	15.00	0.858	1.414	0.61
32	17:14	1.01	0.935	1.00	4.71	5.70	0.412	0.499	0.83
33	18:18		0.993						
34	19:50		1.076						
35	20:16	1.01	0.903	1.00	13.56	30.00	0.155	0.342	0.45
36	21:50	1.00	0.973	1.00	13.70	30.00	0.100	0.219	0.46
37	22:12		0.990						
38	22:08	1.01	0.987	1.00	1.83	15.00	0.078	0.639	0.12
39	23:30	1.01	1.048	1.00	5.27	15.00	0.545	1.553	0.35
40	24:38	1.01	1.098	1.00	4.52	15.00	0.598	1.985	0.30
41	26:34	1.01	1.184	1.00	4.12	15.00	0.285	1.039	0.27
42	30:30	1.00	1.360	1.00	3.96	15.00	0.451	1.708	0.26
43	30:44	1.00	1.370	1.00	3.72	15.00	0.280	1.128	0.25
44	31:42	1.00	1.413	1.00	2.33	15.00	0.168	1.081	0.16

TCA FINISHED, 20 FOUND
FINISHED AT [illegible]

DATA FILE [illegible]
REFERENCE VP11
NAME LIST VP INITIALIZATION OPTION 2 PROCESSING OPTION 3
REPORT VP_14

< ---- STANDARDS ----- ><				--- PLUS UNKNOWNS --- ><				- LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	49	6	6	1	42	VP_IS/VP_SURR
3	3	1	49	12	12	2	74	VP_IS/VP_CMPDS1
3	3	1	49	12	12	1	32	VP_IS/VP_CMPDS2
3	3	1	49	12	12	1	79	VP_IS/VP_CMPDS3
3	3	1	49	14	13	1	163	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 43 FOUND

< COMPOUND ><			---------- SEARCH ---------- >< SAT >< ------ CHRO ------- >										
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	282	283	283	.	1	980	.	128	283	.	1
2	VP	2	556	555	555	.	2	980	.	77	555	.	1
3	VP	3	-676	675	675	.	1	989	.	55	675	.	1
4	VP	4	-364	364	364	.	1	979	.	65	364	.	1
5	VP	5	510	509	509	.	1	973	.	84	509	.	1
6	VP	6	704	702	702	.	1	994	.	98	702	.	1
7	VP	7	51	52	51	-1	1	984	.	50	51	.	1
8	VP	8	80	81	81	.	1	1000	.	94	81	.	1
9	VP	9	90	91	90	-1	2	1000	.	62	90	.	1
10	VP	10	121	122	122	.	1	998	.	64	122	.	1
11	VP	11	186	186	187	1	1	974	.	84	187	.	1
12	VP	12	205	205	207	2	1	914	.	43	207	.	1
13	VP	13	210	210	210	.	1	824	.	56	209	-1	1
14	VP	14	232	232	232	.	1	998	.	76	232	.	1
15	VP	15	230	230	230	.	1	969	.	53	230	.	1
16	VP	16	267	268	268	.	1	954	.	96	268	.	1
17	VP	17	-305	306	306	.	1	949	.	63	306	.	1
18	VP	18	-327	328	328	.	1	949	.	96	328	.	1
19	VP	19	-345	345	345	.	1	943	.	83	345	.	1
20	VP	20	-367	367	367	.	1	948	.	62	367	.	1
21	VP	21	-365	365	365	.	1	995	.	72	365	.	1
22	VP	22	-404	404	404	.	1	936	.	97	404	.	1
23	VP	23	-404	404	404	.	1	963	.	117	404	.	1
24	VP	24	-422	422	422	.	1	922	.	43	422	.	1
25	VP	25	-434	434	433	-1	1	967	.	83	433	.	1
26	VP	26	-473	472	473	1	1	968	.	63	473	.	1
27	VP	27	-481	480	481	1	1	959	.	75	481	.	1
28	VP	28	-498	497	498	1	1	947	.	130	498	.	1
29	VP	29	-518	517	516	-1	1	957	.	129	516	.	1
30	VP	30	-521	520	519	-1	1	994	.	97	519	.	1
31	VP	31	514	513	513	.	1	984	.	78	513	.	1
32	VP	32	-520	519	519	.	1	918	.	75	519	.	1
33	VP	33	-556	555	556	1	1	919	.	63	556	.	1
34	VP	34	-598	598	597	-1	1	973	.	173	597	.	1
35	VP	35	-612	612	611	-1	1	987	.	43	611	.	1
36	VP	36	-657	657	658	1	1	928	.	43	658	.	1
37	VP	37	-668	668	.	.	.	.	.	164	668	.	1
38	VP	38	-667	667	667	.	1	873	.	83	667	.	1
39	VP	39	710	710	708	-2	1	993	.	92	708	.	1
40	VP	40	-744	744	742	-2	1	982	.	112	742	.	1
41	VP	41	802	802	800	-2	1	996	.	106	800	.	1
42	VP	42	919	919	920	1	1	993	.	104	920	.	1
43	VP	44	925	925	927	2	1	996	.	106	928	1	1
44	VP	45	954	955	957	2	1	999	.	106	957	.	1

Quantitation Report File: IC100517

Data: IC100517.TI
05/17/93 18:33:00
Sample: CLP,1180,,IC100517,L,W,,V,IC
Conds.: 45' (3MIN) TO 220 @ 15'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: AGG Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

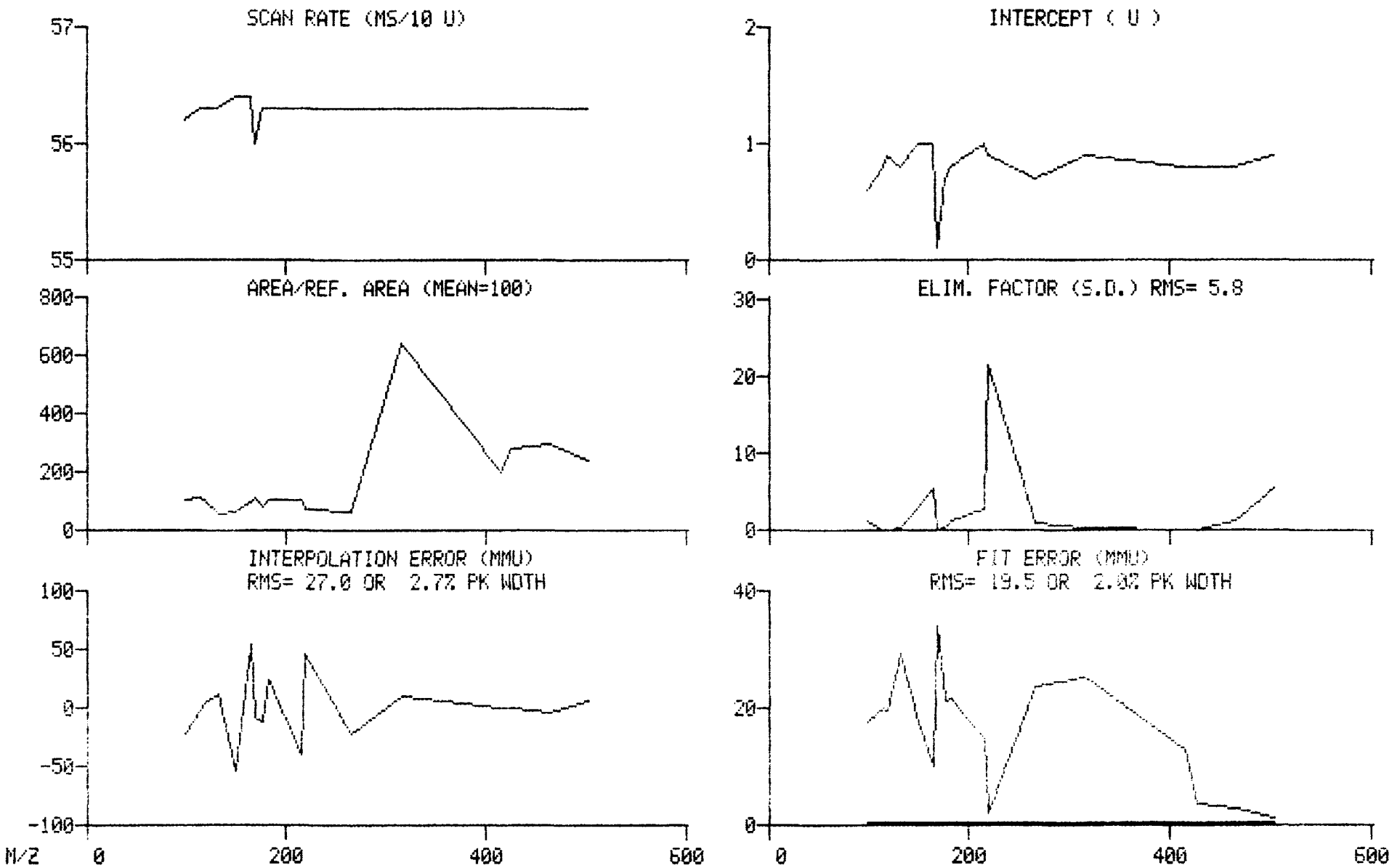
No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount		%Tot
1	128	283	9:26	1	1.000	A BB	145195.	10.000	UG/L	1.23
2	77	555	18:30	2	1.000	A BB	546602.	10.000	UG/L	1.23
3	55	675	22:30	3	1.000	A BB	347557.	10.000	UG/L	1.23
4	65	364	12:08	1	1.286	A BB	178089.	15.925	UG/L	1.96
5	84	509	16:58	2	0.917	A VB	660740.	11.633	UG/L	1.43
6	98	702	23:24	3	1.040	A BB	672723.	6.933	UG/L	0.85
7	50	51	1:42	1	0.180	A VB	147598.	71.834	UG/L	8.86
8	94	81	2:42	1	0.286	A VB	82811.	60.511	UG/L	7.46
9	62	90	3:00	1	0.318	A BB	134398.	62.034	UG/L	7.65
10	64	122	4:04	1	0.431	A BB	66459.	71.197	UG/L	8.78
11	84	187	6:14	1	0.661	A BB	108402.	10.634	UG/L	1.31
12	43	207	6:54	1	0.731	A BB	62408.	63.460	UG/L	7.82
13	56	209	6:58	1	0.739	A BB	2405.	11.029	UG/L	1.36
14	76	232	7:44	1	0.820	A BB	484657.	10.461	UG/L	1.29
15	53	230	7:40	1	0.813	A BV	57074.	52.376	UG/L	6.46
16	96	268	8:56	1	0.947	A BB	235847.	9.944	UG/L	1.23
17	63	306	10:12	1	1.081	A BB	495022.	11.313	UG/L	1.39
18	96	328	10:56	1	1.159	A BB	260996.	10.118	UG/L	1.25
19	83	345	11:30	1	1.219	A BB	495116.	10.644	UG/L	1.31
20	62	367	12:14	1	1.297	A BB	197975.	11.817	UG/L	1.46
21	72	365	12:10	2	0.658	A BB	41024.	51.228	UG/L	6.32
22	97	404	13:28	2	0.728	A BB	374397.	10.415	UG/L	1.28
23	117	404	13:28	2	0.728	A BV	59556.	2.100	UG/L	0.26
24	43	422	14:04	2	0.760	A BB	52814.	2.733	UG/L	0.34
25	83	433	14:26	2	0.780	A BB	386051.	9.818	UG/L	1.21
26	63	473	15:46	2	0.852	A BB	341683.	10.662	UG/L	1.31
27	75	481	16:02	2	0.867	A BB	409228.	10.719	UG/L	1.32
28	130	498	16:36	2	0.897	A BB	401396.	10.334	UG/L	1.27
29	129	516	17:12	2	0.930	A BB	287611.	8.112	UG/L	1.00
30	97	519	17:18	2	0.935	A BB	204368.	10.139	UG/L	1.25
31	78	513	17:06	2	0.924	A BB	825150.	10.674	UG/L	1.32
32	75	519	17:18	2	0.935	A BB	245093.	8.990	UG/L	1.11
33	63	556	18:32	2	1.002	A BB	5277.	0.625	UG/L	0.08
34	173	597	19:54	2	1.076	A BB	161734.	6.317	UG/L	0.78
35	43	611	20:22	3	0.905	A BB	271346.	22.799	UG/L	2.81
36	43	658	21:56	3	0.975	A BB	172981.	22.756	UG/L	2.81
37	164	668	22:16	3	0.990	A BB	380816.	9.477	UG/L	1.17
38	83	667	22:14	3	0.988	A BB	195285.	8.792	UG/L	1.08
39	92	708	23:36	3	1.049	A BB	568995.	10.543	UG/L	1.30
40	112	742	24:44	3	1.099	A BB	735999.	10.670	UG/L	1.32
41	106	800	26:40	3	1.185	A BB	370948.	10.271	UG/L	1.27
42	104	920	30:40	3	1.363	A BB	616242.	10.381	UG/L	1.28
43	106	928	30:56	3	1.375	A BB	413073.	10.539	UG/L	1.30
44	106	957	31:54	3	1.418	A BB	379820.	10.105	UG/L	1.25

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:20	1.01	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:26	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:04	1.01	1.293	0.99	15.92	10.00	1.227	0.770	1.59
5	16:52	1.01	0.915	1.00	11.63	10.00	1.209	1.039	1.16
6	23:18	1.00	1.039	1.00	6.93	10.00	1.936	2.792	0.69
7	1:42	1.00	0.182	0.99	71.83	30.00	0.339	0.142	2.39
8	2:40	1.01	0.286	1.00	60.51	30.00	0.190	0.094	2.02
9	2:56	1.02	0.314	1.01	62.03	30.00	0.309	0.149	2.07
10	4:00	1.02	0.429	1.01	71.20	30.00	0.153	0.064	2.37

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:10	1.01	0.661	1.00	10.63	15.00	0.498	0.702	0.71
12	6:48	1.01	0.729	1.00	63.46	75.00	0.057	0.068	0.85
13	6:54	1.01	0.739	1.00	11.03	75.00	0.002	0.015	0.15
14	7:38	1.01	0.818	1.00	10.46	15.00	2.225	3.191	0.70
15	7:34	1.01	0.811	1.00	52.38	75.00	0.052	0.075	0.70
16	8:50	1.01	0.946	1.00	9.94	15.00	1.083	1.634	0.66
17	10:06	1.01	1.082	1.00	11.31	15.00	2.273	3.014	0.75
18	10:50	1.01	1.161	1.00	10.12	15.00	1.198	1.777	0.67
19	11:26	1.01	1.225	1.00	10.64	15.00	2.273	3.204	0.71
20	12:10	1.01	1.304	0.99	11.82	15.00	0.909	1.154	0.79
21	12:06	1.01	0.656	1.00	51.23	75.00	0.010	0.015	0.68
22	13:24	1.00	0.727	1.00	10.42	15.00	0.457	0.658	0.69
23	13:46	0.98	0.747	0.97	2.10	15.00	0.073	0.519	0.14
24	14:00	1.00	0.759	1.00	2.73	30.00	0.032	0.354	0.09
25	14:20	1.01	0.778	1.00	9.82	15.00	0.471	0.719	0.65
26	15:40	1.01	0.850	1.00	10.66	15.00	0.417	0.586	0.71
27	15:56	1.01	0.864	1.00	10.72	24.30	0.308	0.698	0.44
28	16:30	1.01	0.895	1.00	10.33	15.00	0.490	0.711	0.69
29	17:08	1.00	0.929	1.00	8.11	15.00	0.351	0.649	0.54
30	17:14	1.00	0.935	1.00	10.14	15.00	0.249	0.369	0.68
31	17:02	1.00	0.924	1.00	10.67	15.00	1.006	1.414	0.71
32	17:14	1.00	0.935	1.00	8.99	5.70	0.787	0.499	1.58
33	18:18	1.01	0.993	1.01	0.63	15.00	0.006	0.154	0.04
34	19.50	1.00	1.076	1.00	6.32	15.00	0.197	0.468	0.42
35	20:16	1.00	0.903	1.00	22.80	30.00	0.260	0.342	0.76
36	21:50	1.00	0.973	1.00	22.76	30.00	0.166	0.219	0.76
37	22:12	1.00	0.990	1.00	9.48	15.00	0.730	1.156	0.63
38	22:08	1.00	0.987	1.00	8.79	15.00	0.375	0.639	0.59
39	23:30	1.00	1.048	1.00	10.54	15.00	1.091	1.553	0.70
40	24:38	1.00	1.098	1.00	10.67	15.00	1.412	1.985	0.71
41	26:34	1.00	1.184	1.00	10.27	15.00	0.712	1.039	0.68
42	30:30	1.01	1.360	1.00	10.38	15.00	1.182	1.708	0.69
43	30:44	1.01	1.370	1.00	10.54	15.00	0.792	1.128	0.70
44	31:42	1.01	1.413	1.00	10.11	15.00	0.729	1.081	0.67

DIAGNOSTICS/FIT FITTING POINTS: 6 DATA POINTS: 17
DATA: CALI (CALI) #3 05/17/93 8:42:00 + 0:05
REFERENCE TABLE: FC43 MIN. AREA: 20
LINEAR SCAN WITH INSTRUMENT INCOS1 FROM 49 TO 650 U IN 1.7 S
SAMPLES/PEAK: 10 MILLISECONDS/SAMPLE: 0.100 PEAK WIDTH: 1000.



7A
VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: USEPA-REGION V Contract: TFA302

Lab Code: CRL Case No.: 1187 SAS No.: NA SDG No.: NA

Instrument ID: INCOS1 Calibration date: 05/26/93 Time: 1147

Lab File ID: CC0526 Init. Calib. Date(s): 05/25/93 05/25/93

Matrix:(soil/water) WATER Level:(low/med) LOW Column:(pack/cap) CAP

Min RRF15 for SPCC(#) = 0.300 (0.250 for Bromoform) Max %D for CCC(*) = 35.0%

COMPOUND		$\overline{RRF}$	RRF15	%D	
Chloromethane	#	0.770	0.883	-14.7	#
Bromomethane		0.468	0.517	-10.5	
Vinyl Chloride	*	0.907	0.956	-5.4	*
Chloroethane		0.512	0.491	4.1	
Methylene Chloride		1.068	1.001	6.3	
Acetone		0.091	0.121	-33.0	
Acrolein		0.003	0.002	33.3	
Carbon Disulfide		3.365	2.788	17.2	
Acrylonitrile		0.069	0.079	-14.5	
1,1-Dichloroethene	*	1.622	1.453	10.4	*
1,1-Dichloroethane	#	3.192	3.092	3.1	#
1,2-Dichloroethene (total)		1.719	1.533	10.8	
Chloroform	*	3.282	3.155	3.9	*
1,2-Dichloroethane		1.385	1.500	-8.3	
2-Butanone		0.014	0.017	-21.4	
1,1,1-Trichloroethane		0.944	0.829	12.2	
Carbon Tetrachloride		0.142	0.136	4.2	
Vinyl acetate		0.063	0.084	-33.3	
Bromodichloromethane		0.816	0.827	-1.3	
1,2-Dichloropropane	*	0.637	0.631	0.9	*
cis-1,3-Dichloropropene		0.510	0.519	-1.8	
Trichloroethene		0.961	0.883	8.1	
Dibromochloromethane		0.657	0.735	-11.9	
1,1,2-Trichloroethane		0.367	0.404	-10.1	
Benzene		1.669	1.504	9.9	
Trans-1,3-Dichloropropene		1.304	1.394	-6.9	
2-Chloroethylvinylether		0.011	0.009	18.2	
Bromoform	#	0.447	0.540	-20.8	#
4-Methyl-2-Pentanone		0.400	0.422	-5.5	
2-Hexanone		0.244	0.285	-16.8	
Tetrachloroethene		1.620	1.258	22.4	
1,1,2,2-Tetrachloroethane	#	0.519	0.505	2.7	#
Toluene	*	1.973	1.424	27.8	*
Chlorobenzene	#	2.671	2.116	20.8	#
Ethylbenzene	*	1.349	1.005	25.5	*
Styrene		2.096	1.792	14.5	
M-Xylene		1.465	1.159	20.9	
O-&/or P-Xylene		1.363	1.125	17.5	
Toluene-d8		2.219	1.701	23.3	
Benzene-d6		1.305	1.196	8.4	
1,2-Dichloroethane-d4		1.198	1.279	-6.8	

NOT USED

PROCEDURE: TCA DIAGNOSTIC REPORT 5/26/93 12:31:52
DATA FILE: CC0526
REFERENCE: VP11
NAME LIST: VP INITIALIZATION OPTION: 2 PROCESSING OPTION: 3
REPORT: VP_IS

< ---- STANDARDS ----- >				< --- PLUS UNKNOWNS --- >				< - LIST NAMES - >
PROC	USED	POSS	RMS	PROC	USED	POSS	RMS	STANDARD/UNKNOWN
3	3	2	6	6	6	1	21	VP_IS/VP_SURR
3	3	1	6	12	12	6	81	VP_IS/VP_CMPDS1
3	3	1	6	12	12	1	32	VP_IS/VP_CMPDS2
3	3	1	6	12	12	1	41	VP_IS/VP_CMPDS3
3	3	1	6	14	14	1	127	VP_IS/VP_CMPDS4

44 COMPOUNDS PROCESSED, 44 FOUND

< COMPOUND >			< ---------- SEARCH ---------- >					< SAT >		< ------ CHRO ------- >			
NO	LIB	ENTRY	REF	PRED	SEL	DELTA	PEAKS	FIT	PEAKS	M/Z	TOP	DELTA	PEAKS
1	VP	1	-286	285	285	.	1	980	.	128	285	.	1
2	VP	2	-557	554	554	.	2	994	.	77	554	.	1
3	VP	3	-677	673	673	.	1	998	.	55	673	.	1
4	VP	4	-367	365	365	.	1	979	.	65	365	.	1
5	VP	5	-511	508	508	.	1	978	.	84	508	.	1
6	VP	6	-704	700	700	.	1	997	.	98	700	.	1
7	VP	7	-55	54	54	.	1	984	.	50	54	.	1
8	VP	8	-86	85	85	.	1	996	.	94	85	.	1
9	VP	9	-94	93	93	.	2	998	.	62	93	.	1
10	VP	10	-128	127	125	-2	1	998	.	64	125	.	1
11	VP	11	-192	190	190	.	1	982	.	84	189	-1	1
12	VP	12	-209	207	208	1	1	914	.	43	208	.	1
13	VP	13	-214	212	213	1	3	682	.	56	213	.	1
14	VP	14	-237	235	235	.	1	1000	.	76	235	.	1
15	VP	15	-234	232	231	-1	1	991	.	53	230	-1	1
16	VP	16	-272	271	270	-1	1	972	.	96	270	.	1
17	VP	17	-309	307	307	.	1	962	.	63	307	.	1
18	VP	18	-331	329	329	.	1	966	.	96	329	.	1
19	VP	19	-348	346	346	.	1	956	.	83	346	.	1
20	VP	20	-369	367	367	.	1	960	.	62	368	1	1
21	VP	21	-367	365	365	.	1	997	.	72	365	.	1
22	VP	22	-407	405	405	.	1	954	.	97	405	.	1
23	VP	23	-407	405	405	.	1	984	.	117	405	.	1
24	VP	24	-424	422	422	.	1	935	.	43	422	.	1
25	VP	25	-436	434	433	-1	1	973	.	83	433	.	1
26	VP	26	-475	472	472	.	1	985	.	63	472	.	1
27	VP	27	-483	480	480	.	1	979	.	75	480	.	1
28	VP	28	-500	497	497	.	1	957	.	130	497	.	1
29	VP	29	-518	515	515	.	1	947	.	129	515	.	1
30	VP	30	-521	518	518	.	1	995	.	97	518	.	1
31	VP	31	-515	512	513	1	1	991	.	78	513	.	1
32	VP	32	-521	518	518	.	1	936	.	75	518	.	1
33	VP	33	-558	555	555	.	1	905	.	63	554	-1	1
34	VP	34	-599	595	595	.	1	951	.	173	595	.	1
35	VP	35	-613	609	609	.	1	993	.	43	609	.	1
36	VP	36	-660	656	656	.	1	804	.	43	656	.	1
37	VP	37	-670	665	666	1	1	907	.	164	666	.	1
38	VP	38	-669	664	665	1	1	855	.	83	664	-1	1
39	VP	39	-709	704	705	1	1	997	.	92	705	.	1
40	VP	40	-744	738	740	2	1	985	.	112	740	.	1
41	VP	41	-802	796	797	1	1	994	.	106	796	-1	1
42	VP	42	-921	913	913	.	1	994	.	104	913	.	1
43	VP	44	-930	922	920	-2	1	999	.	106	920	.	1
44	VP	45	-959	950	948	-2	1	996	.	106	949	1	1

Quantitation Report File: CC0526

Data: CC0526.TI
05/26/93 11:47:00
Sample: CLP,1187,,CC0526,L,W,,V,CC
Conds.: 45' (3 MIN) TO 220' @ 8'/MIN
Formula: Instrument: INCOS1 Weight: 0.000
Submitted by: Analyst: ZAR Acct. No.:

AMOUNT=AREA * REF AMNT/(REF AREA * RESP FACT)
Resp. fac. from Library Entry

No	Name		
1	CI01	BROMOCHLOROMETHANE	*INTERNAL STANDARD*
2	CI10	2-BROMO-1-CHLOROPROPANE	*INTERNAL STANDARD*
3	CI20	1,4-DICHLOROBUTANE	*INTERNAL STANDARD*
4	CS15	1,2-DICHLOROETHANE-D4	*SURROGATE*
5	CS10	BENZENE-D6	*SURROGATE*
6	CS05	TOLUENE-D8	*SURROGATE*
7	C010	CHLOROMETHANE	
8	C015	BROMOMETHANE	
9	C020	VINYL CHLORIDE	
10	C025	CHLOROETHANE	
11	C030	METHYLENE CHLORIDE	
12	C035	ACETONE	
13	C038	ACROLEIN	
14	C040	CARBON DISULFIDE	
15	C043	ACRYLONITRILE	
16	C045	1,1-DICHLOROETHENE	
17	C050	1,1-DICHLOROETHANE	
18	C053	1,2-DICHLOROETHENE (TOTAL)	
19	C060	CHLOROFORM	
20	C065	1,2-DICHLOROETHANE	
21	C110	2-BUTANONE	
22	C115	1,1,1-TRICHLOROETHANE	
23	C120	CARBON TETRACHLORIDE	
24	C125	VINYL ACETATE	
25	C130	BROMODICHLOROMETHANE	
26	C140	1,2-DICHLOROPROPANE	
27	C143	CIS-1,3-DICHLOROPROPENE	
28	C150	TRICHLOROETHENE	
29	C155	DIBROMOCHLOROMETHANE	
30	C160	1,1,2-TRICHLOROETHANE	
31	C165	BENZENE	
32	C172	TRANS-1,3-DICHLOROPROPENE	
33	C175	2-CHLOROETHYLVINYL ETHER	
34	C180	BROMOFORM	
35	C205	4-METHYL-2-PENTANONE	
36	C210	2-HEXANONE	
37	C220	TETRACHLOROETHENE	
38	C225	1,1,2,2-TETRACHLOROETHANE	
39	C230	TOLUENE	
40	C235	CHLOROBENZENE	
41	C240	ETHYL BENZENE	
42	C245	STYRENE	
43	C260	M-XYLENE	
44	C270	O-&/OR P-XYLENE	

No	m/z	Scan	Time	Ref	RRT	Meth	Area(Hght)	Amount	%Tot
1	128	285	9:30	1	1.000	A BB	87670.	10.000 UG/L	1.00
2	77	554	18:28	2	1.000	A BB	263387.	10.000 UG/L	1.00
3	55	673	22:26	3	1.000	A BB	193567.	10.000 UG/L	1.00
4	65	365	12:10	1	1.281	A BB	112087.	10.669 UG/L	1.07
5	84	508	16:56	2	0.917	A VB	315095.	9.163 UG/L	0.92
6	98	700	23:20	3	1.040	A BB	329224.	7.667 UG/L	0.77
7	50	54	1:48	1	0.189	A VB	232354.	34.415 UG/L	3.45
8	94	85	2:50	1	0.298	A VB	136017.	33.173 UG/L	3.33
9	62	93	3:06	1	0.326	A BB	251322.	31.618 UG/L	3.17
10	64	125	4:10	1	0.439	A BB	129119.	28.780 UG/L	2.89
11	84	189	6:18	1	0.663	A BB	131620.	14.054 UG/L	1.41
12	43	208	6:56	1	0.730	A BB	79655.	99.969 UG/L	10.03
13	56	213	7:06	1	0.747	A BV	1350.	55.370 UG/L	5.55
14	76	235	7:50	1	0.825	A BB	366637.	12.429 UG/L	1.25
15	53	230	7:40	1	0.807	A BB	51636.	85.273 UG/L	8.55
16	96	270	9:00	1	0.947	A BB	191012.	13.433 UG/L	1.35
17	63	307	10:14	1	1.077	A BB	406606.	14.530 UG/L	1.46
18	96	329	10:58	1	1.154	A BB	201559.	13.371 UG/L	1.34
19	83	346	11:32	1	1.214	A BB	414883.	14.418 UG/L	1.45
20	62	368	12:16	1	1.291	A BB	197208.	16.242 UG/L	1.63
21	72	365	12:10	2	0.659	A BB	33600.	89.666 UG/L	8.99
22	97	405	13:30	2	0.731	A BB	327622.	13.173 UG/L	1.32
23	117	405	13:30	2	0.731	A BV	53579.	14.310 UG/L	1.44
24	43	422	14:04	2	0.762	A BB	66032.	39.900 UG/L	4.00
25	83	433	14:26	2	0.782	A BB	326781.	15.208 UG/L	1.53
26	63	472	15:44	2	0.852	A BB	249437.	14.867 UG/L	1.49
27	75	480	16:00	2	0.866	A BB	332337.	24.739 UG/L	2.48
28	130	497	16:34	2	0.897	A BB	348997.	13.784 UG/L	1.38
29	129	515	17:10	2	0.930	A BB	290290.	16.786 UG/L	1.68
30	97	518	17:16	2	0.935	A BB	159511.	16.486 UG/L	1.65
31	78	513	17:06	2	0.926	A BB	594128.	13.514 UG/L	1.36
32	75	518	17:16	2	0.935	A BB	209231.	6.089 UG/L	0.61
33	63	554	18:28	2	1.000	A BB	3464.	12.102 UG/L	1.21
34	173	595	19:50	2	1.074	A BB	213212.	18.123 UG/L	1.82
35	43	609	20:18	3	0.905	A BB	244924.	31.644 UG/L	3.17
36	43	656	21:52	3	0.975	A BB	165252.	34.966 UG/L	3.51
37	164	666	22:12	3	0.990	A BB	365197.	11.646 UG/L	1.17
38	83	664	22:08	3	0.987	A BB	146587.	14.590 UG/L	1.46
39	92	705	23:30	3	1.048	A BB	413555.	10.828 UG/L	1.09
40	112	740	24:40	3	1.100	A BB	614292.	11.881 UG/L	1.19
41	106	796	26:32	3	1.183	A BB	291762.	11.173 UG/L	1.12
42	104	913	30:26	3	1.357	A BB	520412.	12.824 UG/L	1.29
43	106	920	30:40	3	1.367	A BB	336615.	11.872 UG/L	1.19
44	106	949	31:38	3	1.410	A BB	326572.	12.377 UG/L	1.24

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
1	9:30	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
2	18:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
3	22:32	1.00	1.000	1.00	10.00	10.00	1.000	1.000	1.00
4	12:12	1.00	1.284	1.00	10.67	10.00	1.279	1.198	1.07
5	17:00	1.00	0.917	1.00	9.16	10.00	1.196	1.306	0.92
6	23:24	1.00	1.038	1.00	7.67	10.00	1.701	2.218	0.77
7	1:44	1.04	0.182	1.04	34.41	30.00	0.883	0.770	1.15
8	2:48	1.01	0.295	1.01	33.17	30.00	0.517	0.468	1.11
9	3:06	1.00	0.326	1.00	31.62	30.00	0.956	0.907	1.05
10	4:12	0.99	0.442	0.99	28.78	30.00	0.491	0.512	0.96

No	Ret(L)	Ratio	RRT(L)	Ratio	Amnt	Amnt(L)	R.Fac	R.Fac(L)	Ratio
11	6:20	0.99	0.667	0.99	14.05	15.00	1.001	1.068	0.94
12	6:54	1.00	0.726	1.00	99.97	75.00	0.121	0.091	1.33
13	7:02	1.01	0.740	1.01	55.37	75.00	0.002	0.003	0.74
14	7:50	1.00	0.825	1.00	12.43	15.00	2.788	3.365	0.83
15	7:40	1.00	0.807	1.00	85.27	75.00	0.079	0.069	1.14
16	9:02	1.00	0.951	1.00	13.43	15.00	1.453	1.622	0.90
17	10:16	1.00	1.081	1.00	14.53	15.00	3.092	3.192	0.97
18	11:00	1.00	1.158	1.00	13.37	15.00	1.533	1.719	0.89
19	11:34	1.00	1.218	1.00	14.42	15.00	3.155	3.282	0.96
20	12:18	1.00	1.295	1.00	16.24	15.00	1.500	1.385	1.08
21	12:12	1.00	0.658	1.00	89.67	75.00	0.017	0.014	1.20
22	13:32	1.00	0.730	1.00	13.17	15.00	0.829	0.944	0.88
23	13:32	1.00	0.730	1.00	14.31	15.00	0.136	0.142	0.95
24	14:06	1.00	0.761	1.00	39.90	30.00	0.084	0.063	1.33
25	14:28	1.00	0.781	1.00	15.21	15.00	0.827	0.816	1.01
26	15:48	1.00	0.853	1.00	14.87	15.00	0.631	0.637	0.99
27	16:04	1.00	0.867	1.00	24.74	24.30	0.519	0.510	1.02
28	16:38	1.00	0.897	1.00	13.78	15.00	0.883	0.961	0.92
29	17:14	1.00	0.930	1.00	16.79	15.00	0.735	0.657	1.12
30	17:20	1.00	0.935	1.00	16.49	15.00	0.404	0.367	1.10
31	17:08	1.00	0.924	1.00	13.51	15.00	1.504	1.669	0.90
32	17:20	1.00	0.935	1.00	6.09	5.70	1.394	1.305	1.07
33	18:32	1.00	1.000	1.00	12.10	15.00	0.009	0.011	0.81
34	19:54	1.00	1.074	1.00	18.12	15.00	0.540	0.447	1.21
35	20:22	1.00	0.904	1.00	31.64	30.00	0.422	0.400	1.05
36	21:56	1.00	0.973	1.00	34.97	30.00	0.285	0.244	1.17
37	22:16	1.00	0.988	1.00	11.65	15.00	1.258	1.620	0.78
38	22:14	1.00	0.987	1.00	14.59	15.00	0.505	0.519	0.97
39	23:36	1.00	1.047	1.00	10.83	15.00	1.424	1.973	0.72
40	24:44	1.00	1.098	1.00	11.88	15.00	2.116	2.671	0.79
41	26:40	0.99	1.183	1.00	11.17	15.00	1.005	1.349	0.74
42	30:36	0.99	1.358	1.00	12.82	15.00	1.792	2.097	0.85
43	30:52	0.99	1.370	1.00	11.87	15.00	1.159	1.465	0.79
44	31:50	0.99	1.413	1.00	12.38	15.00	1.125	1.363	0.83

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